



DEH-750/UC



ORDER NO. CRT1295

HIGH-POWER COMPACT DISC PLAYER WITH FM/AM TUNER

DEH-750

UC, ES

DEH-650 us DEH-80 us DEH-80



HIGH-POWER COMPACT DISC PLAYER WITH FM/MW/LW TUNER

DEH-700SDK DEH-700 EW

WG

Note:

- See the separate manual CX-173 (CRT1161) for the CD mechanism description.
- Refer to the service manual CDX-M100 (CRT1136) for finding circuit description which are not shown in this manual.

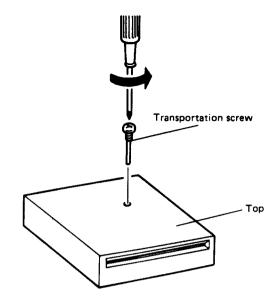
PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan PIONEER ELECTRONICS SERVICE INC. P.O. Box 1760, Long Beach, California 90801 U.S.A. PIONEER ELECTRONICS OF CANADA, INC. 505 Cochrane Drive, Markham, Ontario L3R 8E3 Canada PIONEER ELECTRONIC [EUROPE] N.V. Keetberglaan 1, 2740 Beveren, Belgium PIONEER ELECTRONICS AUSTRALIA PTY. LTD. 178-184 Boundary Road, Braeside, Victoria 3195, Australia TEL: [03] 580-9911

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• CD Player Service Precautions

- 1. Since these screws protects the mechanism during transport, be sure to affix it when it is transported for repair, etc.
- 2. For pickup unit (CGY1015) handling, please refer to "Disassembly" (Fig. 4) During replacement, handling precautions shall be taken to prevent an electrostatic discharge (protection by a short pin).
- 3. During disassembly, be sure to turn the power off since an internal IC might be destroyed when a connector is plugged or unplugged.



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SAFETY INFORMATION (UC, US MODEL)

CAUTION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5). When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

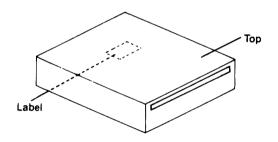
SAFETY INFORMATION (EW MODEL)

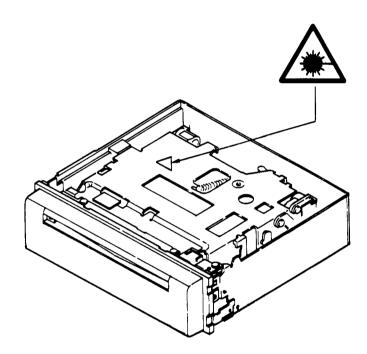
- 1. Safety Precautions for those who Service this Unit.
- Follow the adjustment steps (see pages 13 through 34) in the service manual when servicing this unit. When checking or adjusting the emitting power of the laser diode exercise caution in order to get safe, reliable results.

Caution:

- 1. During repair or tests, minimum distance of 13cm from the focus lens must be kept.
- 2. During repair or tests, do not view laser beam for 10 seconds or longer.
- 2. A "CLASS 1 LASER PRODUCT" label is affixed to the bottom of the player.
- 3. The triangular label is attached to the mechanism unit plate unit.







4. Specifications of Laser Diode

Specifications of laser radiation fields to which human access is possible during service.

Wavelength

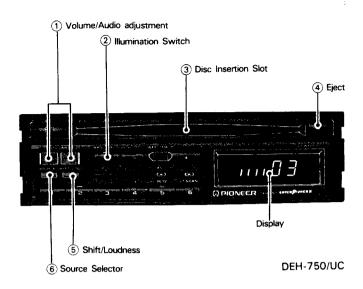
- = 780 nanometers
- Radiant power
- = 69.7 microwatts

(Through a circular aperture stop having a diameter of 80 millimeters)

0.55 microwatts

(Through a circular aperture stop having a diameter of 7 millimeters)

1. ADJUSTING VOLUME AND TONE



Switching Power On

Press button (6) to switch the tuner power on. Press button (6) again to switch the power off.

CD Player

When a disc is inserted half-way into the disc insertion slot 3 with its label side upward, the disc is automatically loaded and played.

To remove the disc, push button 4.

 If the car's ignition switch is turned "OFF" with the front panel remaining on the main body, the buzzer will be heard for a few seconds in order to warn you that the panel must be removed for the purpose of preventing theft when leaving the car.

Changing the source

To change the source, push button (6) with the disc inserted in the slot. At each press of the button, the source changes as follows: CD Player-Tuner-OFF

Note that if you press button (6) to halt playing, the disc resumes playing with about the remainder when set to start again.

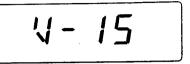
Adjusting Audio

When the display indicates disc or tuner, press button (1) to adjust the volume. Each press of button (5) changes the display and the function of button 1 as follows:

Volume→Fader→Bass→Treble→Balance

Adjusting Volume

Pressing the (+) side of button 1 increases the volume, while the (-) side decreases it.



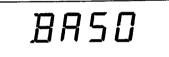
Adjusting the Fader

This function controls the balance between the front and rear speakers of a 4-speaker system. Pressing the (+) side of button (1) shifts the balance to the front speakers, while the (-) side shifts it to the rear speakers. For 2-speaker systems, set FAD 0.



Adjusting Bass

Pressing the (+) side of button (1) increases bass, while the (-) side decreases bass.



Adjusting Treble

Pressing the (+) side of button (1) increases treble, while the (-) side decreases treble.



Adjusting Balance

Pressing the (-) side of button (1) shifts the balance to the left speaker, while the (+) side shifts it to the right speaker.



 When you're adjusting fader, bass, treble, or balance settings, the indicator will stop at the center setting. About 5 seconds after adjustment has been made, the display returns to its previous state.

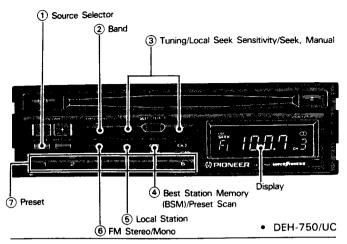
Using the Loudness Function

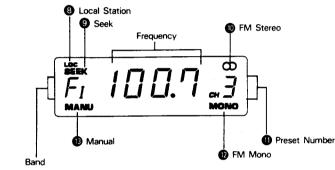
Press button (5) for about two seconds and the "LOUD" indication will appear on the display. This loudness function lets you enhance both high and low frequencies to give a more natural sound at low volumes. To cancel this function, press button (5) again for about two seconds.

Switching Illumination Colour

You can select either green or amber for the switch illumination colour. To switch the colour, hold down button 2 for two seconds.

2. USING THE RADIO





Press Button 1 to switch the radio power on.

Press Button 2 to select a band.

 $F_1 \rightarrow F_{II} \rightarrow F_{III} \rightarrow P$ (FM1) (FM2) (FM3) (AM)

3 Use seek tuning to tune in a frequency.

Confirm that the SEEK indicator **3** is shown on the display (if not, press the (+) and (-) sides of button **3** at the same time). Press the (+) side of button **3** to automatically tune in the next higher receivable frequency, and the (-) side for a lower frequency.

4 Adjust volume and tone (see page 5).

5 Assign the tuned frequency to one of the Buttons in Bank

⑦ (preset memory).

Press and hold down one of the buttons in Bank ⑦ for at least two seconds. The frequency is assigned to the selected button when the preset number ⑤ stops flashing on the display. Up to 18 FM stations (6 each for FM1, FM2 and FM3), and six AM stations can be assigned to the preset memory buttons in Bank ⑦.

6 Once a frequency is assigned to a Button in Bank \bigcirc , you just need to press that Button to tune it in.

This also causes the number of the button pressed to appear at Position on the display.

Preset Scan Tuning

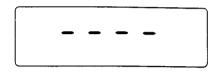
This function lets you automatically monitor the stations assigned to the preset buttons.

- Press the button (4), and the preset number (4) flash.
 Each station assigned to the buttons in Bank (7) will be automatically tuned in for about eight seconds.
- 2. When you hear a station that you like, press button (4) again to cancel preset scan tuning and remain at that station.

BSM (Best Stations Memory)

This function automatically locates stronger stations and automatically assigns their frequencies to the buttons in Bank ⑦, from strongest to weakest. It comes in handy when trying to find local stations while driving.

- 1. Press button 2 and select a band.
- 2. Hold down button ④. After about two seconds, a "beep" will sound to signal that the BSM search has started. At this time, "---" will flash on the display.



- 3. The frequency display will return once BSM search is complete, and frequencies are assigned to buttons 1 through 6 in Bank ⑦.
- If there are fewer than six strong stations in the area, some of the buttons in Bank (7) will not be assigned frequencies, so they will retain any frequencies assigned to them previously.
- BSM search may take as long as 30 seconds in areas where there are few strong stations.
- You can cancel BSM search by pressing button 4 again.

Manual Tuning

Use manual tuning when stations are too weak to be picked up by seek tuning.

- 1. Press both (+) and (-) sides of button ③ simultaneously to illuminate "MANU" .
- 2. Each press of the (+) side of button ③ increases the frequency in 0.2 MHz steps in the FM band, 10 kHz in the AM band. Pressing the (-) side of button ③ decreases the frequency. Holding down either side of button ③ changes the frequency at high speed.

Switching between FM Stereo and Mono

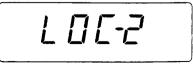
Generally, it is best to allow the "Super Tuner III" function to automatically set the optimum listening conditions. When there is a large amount of noise, you can press button (a) for clearer mono reception ("MONO" will appear on the display).

Adjusting Seek Sensitivity

The seek tuning function of this tuner lets you select between a local setting for reception of strong stations only, and a DX (distant) setting for reception of weaker stations. The local setting also has four seek tuning sensitivity levels for FM and two levels for AM to match local conditions.

Changing the Local Seek Sensitivity

- 1. Use button ② to select a band.
- 2. Hold down the button (§) for more than two seconds, and the display will show you the current local seek sensitivity for about five seconds.



(Example: LOC-2)

3. While the local seek sensitivity remains on the display, press the (+) side of button 3 to increase the sensitivity level, and the (-) side to decrease the level as shown below.

FM: LOC-12LOC-22LOC-32LOC-4

AM: LOC-1≠LOC-2

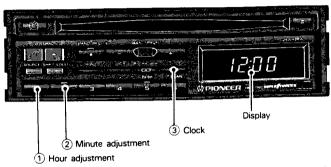
The LOC-4 setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations.

The display of local seek sensitivity returns to the frequency when about five seconds have elapsed after the change of sensitivity.

Switching between Local and DX

Press button (5) to switch between Local and DX (distant) seek tuning. When "LOC" s is shown on the display, seek tuning is performed with the local seek sensitivity. Otherwise, seek tuning is performed with the DX seek sensitivity.

3. USING THE CLOCK DISPLAY



• DEH-750/UC

Displaying the Time

The clock is displayed while button 3 is depressed. Press button 3 again to turn off the clock display. • The Time Display functions only when power is on.

Adjusting the Time

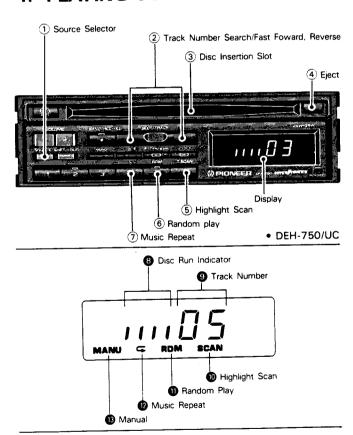
Adjusting the Hours

While holding down button $\ensuremath{\mathfrak{I}}$, press button $\ensuremath{\mathfrak{I}}$ to adjust the hour setting of the clock. Each press of button ① advances the hour setting by one hour, and holding it down advances the setting at high speed.

Adjusting the Minutes

While holding down button 3, press button 2 to adjust the minute setting of the clock. Each press of button 2 advances the minute setting by one minute, and holding it down advances the setting at high speed.

4. PLAYING COMPACT DISCS



1 When a disc is inserted half-way into the disc insertion slot 3 with its label side upward, the disc is automatically loaded and played.

(Track number 9 and disc run 8 indications will appear on the display.)

2 Use track number search to select a track.

See that no "MANU" (1) illuminates on display. If it does, then turn it off by pressing the (+) and (-) sides of Button ② simultaneously. Press the (+) side of button 2 to increase the number at position 9, or the (-) side to decrease the number. Holding either side of button 2 down changes the track number at high speed.

3 Adjust volume and tone (see page 5)

4 To eject or change the disc, press Button 4.

If an ejected disc is pushed back into the slot, it will be loaded and played again.

- If a disc can only be inserted halfway, or if the disc does not play after being loaded, something may be wrong with the disc. Eject the disc by pressing button 4, and check it. If it is all right, insert it again.
- Insert the disc with its label (printed) side facing up. If the disc is inserted with the label side facing down, it will not play, and the recorded side may be damaged.
- When \triangleq 4 is displayed, a disc is loaded. If another disc is inserted into the slot at this time, the discs may be damaged or the player may malfunction
- Do not insert two discs into the slot at the same time. This may cause a malfunction.

Using Highlight Scan

Highlight Scan is designed to enable you to conveniently scan all pieces of music contained in the disc by playing 10 seconds each at your designated point of time after the start of the music. The starting time of play is set at one minute in factory. Therefore, the Highlight Scan begins one minute after the start unless you designate it otherwise.

When you do not want to change the factory-set time:

- 1. Press Button ⑤, and "SCAN" ⑥ will illuminate.
- The contained pieces of music will be played in sequence for 10 seconds each one minute after the beginning.
- Press Button (5) again when your selected piece comes, and it will continue to play. At this point, the Highlight Scan discontinues to operate.
- The previous function automatically resumes when a piece of music with which Highlight Scan began returns.

Changing the Starting Time of Highlight Scan

When you want to set the starting time of the Highlight Scan to 30 seconds:

- Press Button ②, (+) and (−) sides simultaneously, and "MANU"
 will illuminate and time numerals will be displayed.
- Keep pressing either (+) or (+) side of Button 2 until the numerals reaches 30



- Hold down Button (5) for two or more seconds, and "SCAN" (will illuminate and the Highlight Scan will begin 30 seconds after the start of the next piece of music.
- The starting time of Highlight Scan can be designated at ten or tens
 of seconds only. A tenth or tenths of seconds can be disregarded.
- If a piece of music ends before your designated point of time at which Highlight Scan starts, the scanning is performed for its beginning 10 seconds.
- If a piece of music lasts less than 10 seconds, so does the Highlight Scan.
- You may wish to change the starting time longer without suspending the function. You may do so, however, only to a relatively long-playing piece of music because, as a matter of course, the time cannot be set so as to come after the end of the music.

Using Random Play

This function uses the built-in microprocessor to randomly play tracks from the disc.

- Press button 6. "RDM" will appear on the display. Once the current track has been played, the microprocessor will randomly select the next track.
- 2. To cancel random play, press button 6 again.

Using Music Repeat

This function lets you listen to a track as many times as you wish.

- While the track you want to repeat is playing, press button ?. "\(\varphi\)."
 will appear on the display. Now the track will repeat until the music repeat function is canceled.
- 2. To cancel music repeat, press button (7) again.
- When music repeat is not operational, the whole disc will be played repeatedly.

Using Fast Forward and Reverse

Press simultaneously both (+) and (-) sides of the button ② "MANU"
 will appear on the display. At this time the display will show the amount of elapsed disc play time.



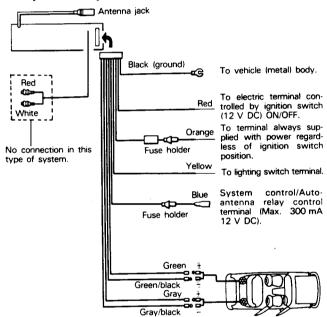
- Press the (+) side of button ② for fast forward, and the (-) side for reverse.
- · Sound is output during fast forward and reverse operations.
- When a disc in which there are several seconds between tracks is used, the amount of elapsed disc-play time is shown, for example, as -0*02 and -0*01.

5. CONNECTING THE UNITS

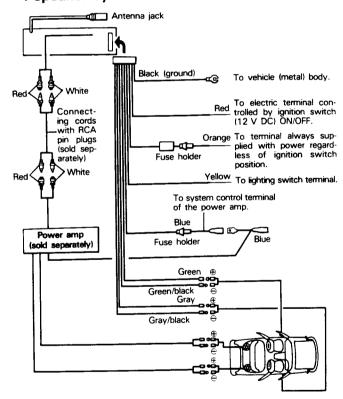
- Before making final connections, make temporary connections then operate the unit to check for any connecting cord problems.
- Refer to the owner's manual for details on connecting the various cords of the power amp and other units, then make connections correctly.
- Be sure to connect the memory power supply lead (orange) to a terminal that is always supplied with power regardless of the vehicle's ignition switch position. If this connection is made incorrectly or is forgotten, the unit will not work at all.
- Don't pass the orange lead through a hole into the engine compartment to connect to the battery. This will damage the lead insulation and cause a very dangerous short.
- Since a unique BPTL circuit is employed, never wire so the speaker leads are directly grounded or the left and right speaker
 ⊖ leads are common.
- Speakers connected to this unit must be high-power types possessing minimum rating of 25W and impedance of 4 to 8 ohms. Connecting speakers with output and/or impedance values other than those noted here can damage the speakers.

• DEH-750/UC

2-speaker system



4-speaker system



6. SPECIFICATIONS

General (DEH-750/UC, DEH-80/US	3)
Power source 14.4	V DC (10.8-15.6 V allowable)
Grounding system	
Dimensions (chassis)	
	170 (W) × 46 (H) × 14 (D) mm
₹6- Weight	-3/4 (W) × 1-3/4 (H) × 1/2 (D) in.]
General (DEH-650/UC, DEH-620/L	
Power source 14.4	
Grounding system	
Dimensions (chassis)	. 178 (W) × 50 (H) × 155 (D) mm [7 (W) × 2 (H) × 6-1/8 (D) in.]
(nose)	170 (W) × 46 (H) × 12 (D) mm
[6-Weight	-3/4 (W) × 1-3/4 (H) × 1/2 (D) in.]
General (DEH-750/ES) Power source	V DC (10.8—15.6 V allowable)
Grounding system	Negative type
Dimensions (chassis)	. 178 (W) × 50 (H) × 155 (D) mm
(nose)	170 (W) × 46 (H) × 14 (D) mm 1.6 kg
General (DEH-700SDK/WG, DEH-7	
Power source 14.4	
Grounding system	Negative type
Max. current consumption Dimensions (chassis)	180 (W) × 50 (H) × 155 (D) mm
(front face)	$188 (W) \times 58 (H) \times 14 (D) mm$
Weight	1.6 kg
Amplifier (UC, US model)	
Continuous power output is 10 W channels driven 50 to 15,000 Hz w	vith no more than 5% THD.
Max. power output	$4 \Omega (4-8 \Omega \text{ allowable})$
Max. output level/ouput impedance)
(pre out)	
(treble)	± 10 dB (10 kHz)
Loudness contour + 12	2 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB)
Amplifier (ES model)	
Max. power output	
Continuous power output is 10 W pe	er channel min. into 4 ohms, both
channels driven 50 to 15,000 Hz w	
Load impedance	
(pre out)	500 mV/1 $k\Omega$
Tone controls (bass) (treble)	± 10 dB (10 kHz)
Loudness contour + 12	2 dB (100 Hz), +7 dB (10 kHz) (volume: -30 dB)
Amplifier (WG, EW model)	
Max. power output	25 W + 25 W (EIAJ)
Continuous power output	(1% dist. at 1 kHz)
Load impedance	
Nominal output level/output impeda (pre out)	ince
Tone controls (bass)	± 10 dB (100 Hz)
(treble)	± 10 dB (10 kHz) 2 dB (100 Hz), +7 dB (10 kHz)
Eddinos contour	(volume: -30 dB)

CD player
System Compact disc audio system Usable discs Compact disc Signal format Sampling frequency: 44.1 kHz
Number of quantization bits: 16; linear
Frequency characteristics 5-20,000 Hz (±1 dB) Signal-to-noise ratio 90 dB (1 kHz) (IEC-A network) Dynamic range 88 dB (1 kHz) Number of channels 2 (stereo)
FM tuner (UC, US model)
Frequency range
Three-signal intermodulation (desire signal level) 50 dBf (two undesire signal level: 110 dBf)
Three-signal intermodulation (desire signal level) (DEH-620/US)
AM tuner (UC, US model)
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
MW tuner (WG, EW model)
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
LW tuner (WG, EW model)
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
FM tuner (WG, EW, ES model)
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$
AM tuner (ES model)
Frequency range
Usable sensitivity

These specifications were determined and are presented in accordance with specification standards established by the Ad Hoc Committee of Car Stereo Manufacturers.

Note: Specifications and the design are subject to possible modification without notice due to improvements.

7. DISASSEMBLY

Removing the Case

- 1. Insert and turn a flat screwdriver to remove the case.
- 2. Raise the case to remove.

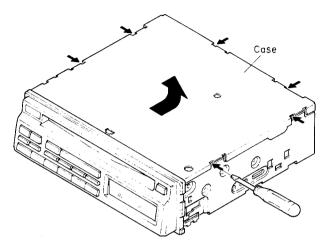


Fig. 1

- Removing the Grille Assy (DEH-750/UC, ES, 80/US, 700SDK/WG, 700/EW)
- Press the tabs at three locations indicated by arrows, and then pull out the grille assy.
- 2. Disconnect the two connectors.

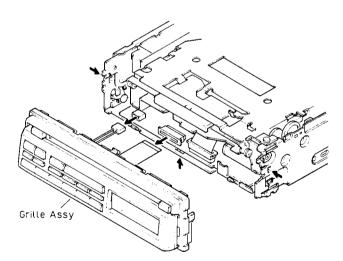


Fig. 2-1

Removing the Grille Assy (DEH-650/UC, 620/US, 600/EW)

- 1. Press the tabs at three locations indicated by arrows, and then pull out the grille assy.
- 2. Disconnect the connector.

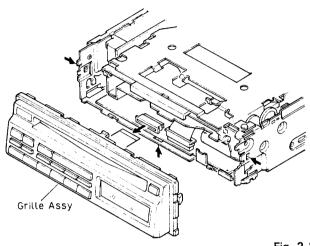


Fig. 2-2

- Removing the Display Unit (DEH-750/UC, ES, 80/US, 700SDK/WG, 700/EW)
- 1. Remove the four screws, and then remove the grille.
- 2. Pull out the display Unit.

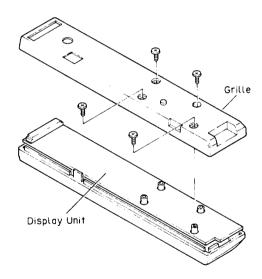
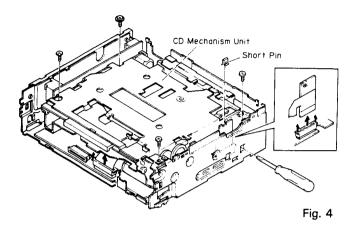


Fig. 3

Removing the CD Mechanism Unit

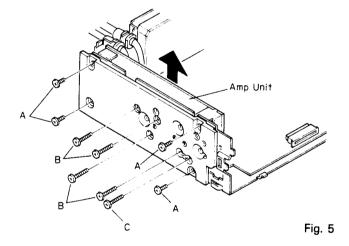
- 1. Remove the four screws.
- Disconnect the two connectors, and then remove the CD mechanism Unit.



NOTE: When remove the flexible p.c. board, always insert a shorting pin or insert an inter-pattern short (jumper) before disconnecting the flexible p.c. board from the connector.

Removing the Amp Unit

- 1. Remove the four screws A, and the four screws B.
- 2. Remove the screw C, and then remove the amp unit.



Removing the CD Tuner Unit

- 1. Remove the screw D, and then remove the holder.
- 2. Remove the screw E and F.
- 3. Remove the screw G, and then remove the holder.
- 4. Unbend the tabs at five locations indicated by arrows until straight.
- 5. Raise up on CD tuner unit to remove it from chassis unit.

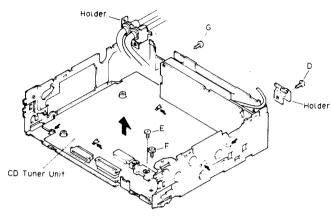


Fig. 6

8. ADJUSTMENT

1) Precautions

This unit uses a single power supply (+5V) of the regulator. The signal reference potencial, therefore, is connected to pin no. 26 (approx. 2.5V) of IC351 (CXA1081Q) instead of GND. (VC at test point)

If VC and GND are connected to each other by mistake during adjustments, not only will it be impossible to measure the potential correctly, but the servo will malfunction and a severe shock will be applied to the pick-up. To avoid this, take special note of the following.

Do not connect the negative probe of the measuring equipment to VC and GND together. It is especially important not to connect the channel 1 negative probe of the oscilloscope to VC with the channel 2 negative probe connected to GND.

And since the frame of the measuring instruments is usually at the same potential as the negative probe, change the frame of the measuring instrument to floating status.

If by accident VC comes in contact with GND, immediately switch the regulator or power OFF.

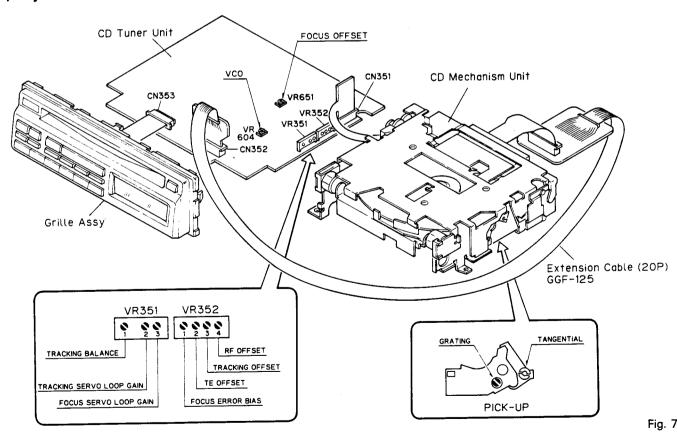
- Always make sure the regulator is OFF when connecting and disconnecting the various filters and wiring required for measurements.
- Before proceeding to further adjustments and measurements after switching regulator ON, let the player run for about one minute to allow the circuits to stabilize.

- Since the protective systems in the unit's software are rendered inoperative in test mode, be very careful to avoid mechanical and/or electrical shocks to the system when making adjustments.
 - Test mode starting procedure

 While pressing the VOL button and the VOL +button, press Clear button.
- Test mode cancelation Press Clear button.
- Disc detection during loading and eject operations is performed by means of a photo transistor in this unit. Consequently, if the inside of the unit is exposed to a strong light source when the outer casing is removed for repairs or adjustment, the following malfunctions may occur.
 - During PLAY, even if the eject button is pressed, the disc will not be ejected and the unit will remain in the PLAY mode.
 - O The unit will not load a disc.

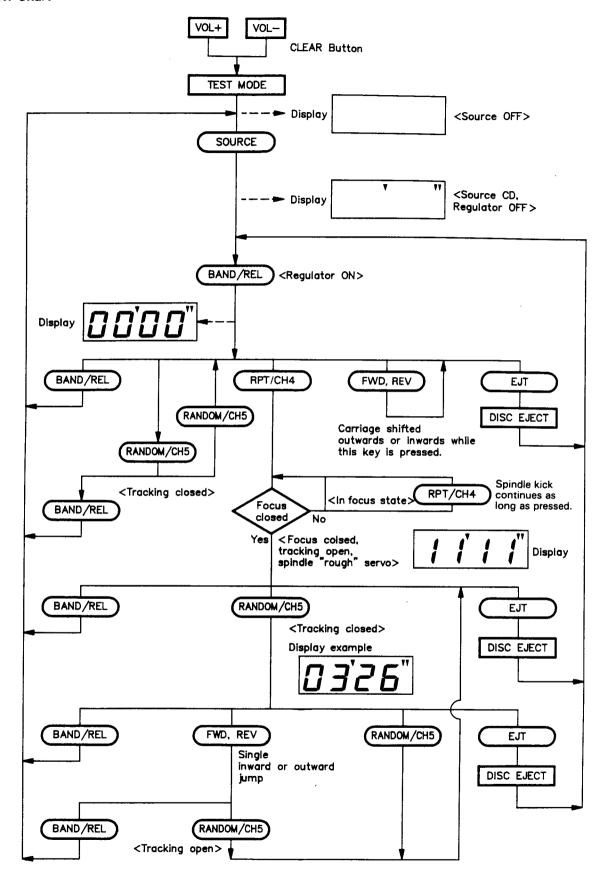
When the unit malfunctions this way, either re-position the light source, move the unit or cover the photo transistor.

2) Adjustment Point



13

• Flow Chart



Test PointCD Tuner Unit

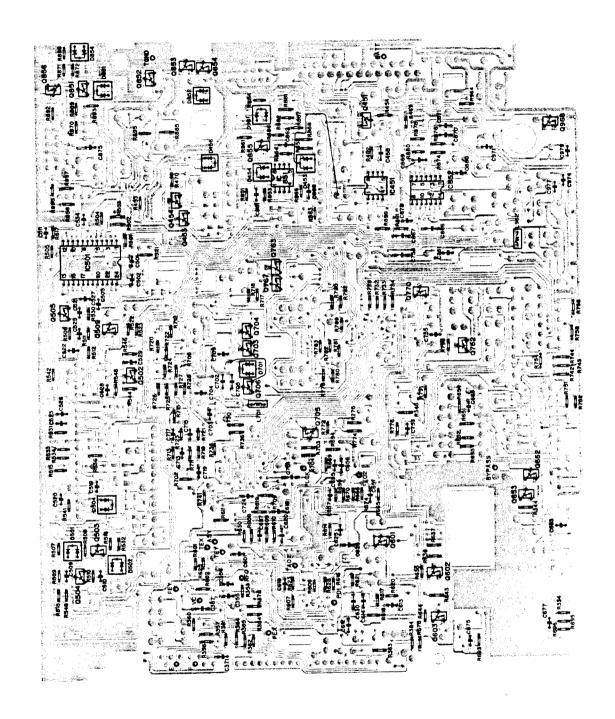


Fig. 8

8.1 Focus Offset Adjustment

- Purpose: To adjust the electrical offset of the focus amplifier to zero.
- Maladjustment symptoms: No focus closing
- Measuring equipment/ jigs
- Measuring point
- Test disc and setting
- Adjustment position
- Multi-meter or oscilloscope
- FEO2
- No disc, test mode
- VR651

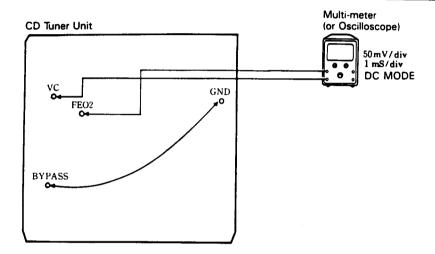


Fig. 9

- Connect BYPASS to GND. (Perform the following steps to stop the drive.)
- 2. Switch regulator ON.
- 3. Using VR651, adjust the FEO2 DC voltage in reference to VC to a value of 0 \pm 25mV.
- Perform the following steps while BYPASS is connected to GND.

8.2 VCO Free Run Frequency Adjustment

- Purpose: To adjust the EFM decoder reference clock free- run frequency to a suitable value
- Maladjustment symptoms: Spindle lock not possible, distorted sound or no sound at all
- Measuring equipment/ jigs
- Measuring point
- Test disc and setting
- Adjustment position
- Frequency counter, extension cables
- Pin no.70 (PLCK) of IC701 (CXD1167Q)
- No disc
- Test mode
- VR604

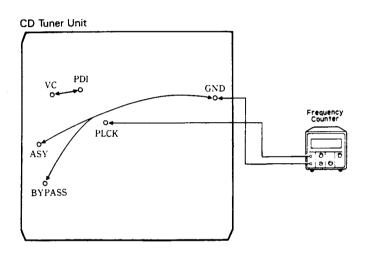


Fig. 10

Adjustment Procedure

- Connect pin no.7 (TP ASY) of IC351 to GND. Connect BYPASS to GND.
- 2. Connect pin no.1 (TP VC) of IC601 to pin no.28 (TP PDI).
- 3. Switch regulator ON while in test mode.
- 4. Connect the frequency counter to pin no.70 (TP PLCK) of IC701 (CXD1167Q).
- 5. Adjust VR604 to obtain a frequency of 4.59MHz \pm 0.01MHz.
- 6. Switch regulator OFF.
- 7. Disconnect the leads connecting TP VC to TP PDI, and TP ASY to GND.

Note: Connect TP VC and TP PDI with leads kept as short as possible.

Note: Connect the frequency counter ground to TP GND as shown in the figure.

8.3 RF Offset Adjustment

- Purpose: To adjust the RF amplifier offset to a suitable value
- Maladjustment symptoms: Focus closure fails readily
- Measuring equipment/
- Oscilloscope
- Measuring point
- RFO
- Test disc and setting
- No disc
- Test mode

- Adjustment position
- VR352-4 (RFO)

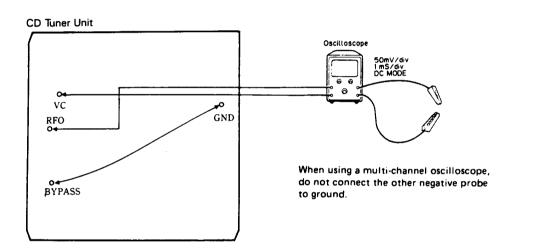


Fig. 11

- 1. Connect BYPASS to GND.
- 2. Switch regulator ON.
- 3. Using the oscilloscope, measure the RFO DC voltage in reference to VC, and adjust VR352-4 (RFO) to obtain a reading of $\pm 40 \pm 10 \text{mV}$.

8.4 tracking Offset Adjustment

- Purpose: To adjust the electrical offset of the tracking amplifier to zero
- Maladjustment symptoms: Search times too long, carriage run-away
- Measuring equipment/
- Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope
- TAO low-pass filter output
- No disc
 Test mode
- VR352-3 (TO)

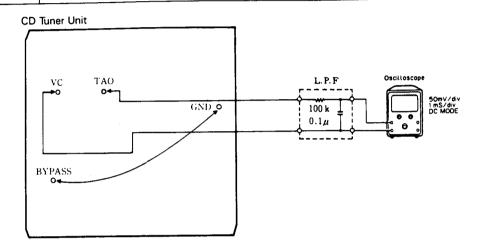


Fig. 12

Adjustment Procedure

- 1. Insert a low-pass filter between TAO and VC.
- 2. Check that BYPASS is connected to GND.
- 3. Switch regulator ON.
- 4. Using the oscilloscope, measure the TAO LPF output DC voltage in reference to VC, and adjust VR352-3 (TO) to obtain a reading of 0 \pm 25mV.

The low-pass filter may be left in place for later adjustments.

8.5 TE Offset Adjustment -I

- Purpose: To adjust the electrical offset of the tracking servo to zero.
- Maladjustment symptoms: Search times too long, carriage run-away
- Measuring equipment/ jigs
- DC voltmeter
- Measuring point Test disc and setting
- TAO low-pass filter output
- Adjustment position
- No disc Test mode

• VR352-2 (TEO)

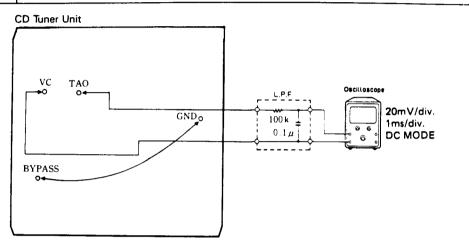


Fig. 13

- 1. Check that BYPASS is connected to GND.
- 2. Switch regulator ON while in test mode.
- 3. Press the RANDOM/CH5 key to close tracking.
- 4. Using VR352-2 (TEO), adjust the TAO LPF output DC voltage in reference to VC to a value of $0 \pm 10 \text{mV}$.
- 5. Switch regulator OFF.

8.6 Tracking Balance Adjustment -1

- Purpose: To adjust the tracking servo offset to zero.
- Maladjustment symptoms: Search times too long, poor playability, carriage run-away
- Measuring equipment/ iias
- jigs ■ Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope
- TEY (Tracking error signal), low-pass filter output
- SONY TYPE 4 (or TYPE 3) Test mode
- VR351-1 (T. BAL)

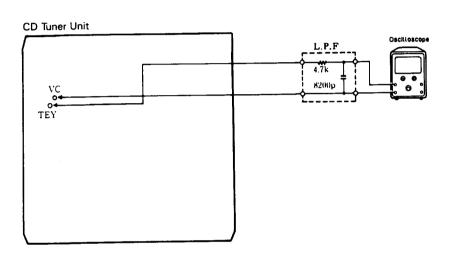


Fig. 14

Adjustment Procedure

- 1. After checking that regulator is OFF, connect the low-pass filter as shown in the diagram.
- 2. Disconnect BYPASS from ground.
- 3. Load the test disc (SONY TYPE 4). Switch regulator ON.
- 4. Using the FWD or REV key, move the pick-up to about the center of the signal surface.
- 5. Press the RPT/CH4 key to close focus.
- 6. Using an oscilloscope, observe the TEY signal in respect to VC. Then adjust VR351-1 (T.BAL) to set the positive and negative amplitudes to the same levels. (See Fig. 15-17)
- 7. Switch the power OFF.

The low-pass filter may be left in place for later adjustments.

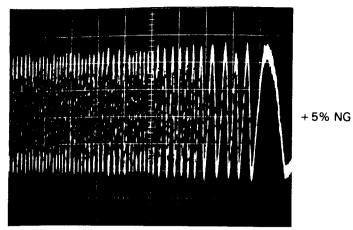
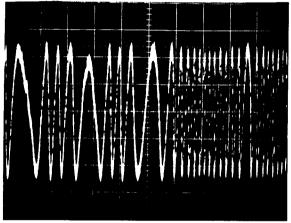
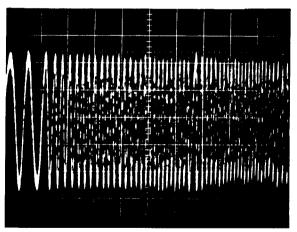


Fig. 15



±0% OK





– 5% NG

10ms/div. 0.2V/div. DC Mode

Fig. 17

8.7 Tangential Skew Check

- Purpose: To check whether tangential skew has been misaligned or not when replacing the pick-up unit. -
- Maladjustment symptoms: No disc playback; track jumping
- Measuring equipment/ iias
- jigs
- Measuring pointTest disc and setting
- Adjustment position
- Oscilloscope, extension connectors, screwdriver
- RFO
- SONY TYPE 4 (or TYPE 3) Normal mode
- Pick-up tangential adjustment screw

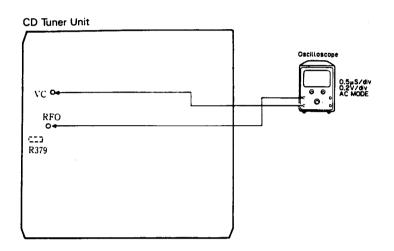
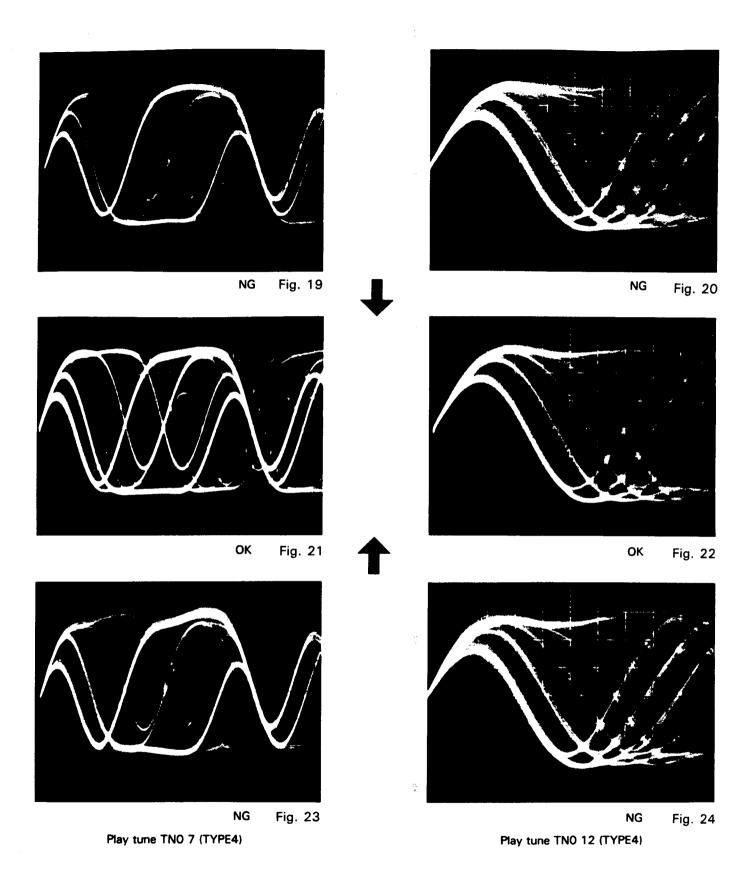


Fig. 18

Adjustment Procedure (with R379 removed)

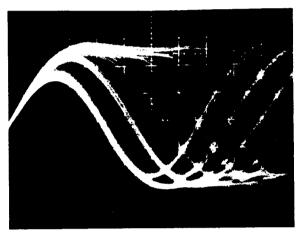
- 1. Remove R379 (but reconnect after completing adjustment).
- 2. Play tune TNO 7 in normal mode. (TYPE 3: TNO 23)
- Check that the valley at the 11T section of the RF waveform is flat.
- 4. If out of adjustment, readjust to obtain a flat RF waveform. (See Fig. 19-24)Take care not to knock the pick-up with the screwdriver at this stage. (This kind of accident can result in loss of focus.)
- 5. Switch the power OFF and reconnect R379.
- 6. Apply "screw-lock" to the tangential adjustment screw.
- 7. After adjusting tangential skew, also adjust the grating.
- If tangential skew is seriously out of adjustment, carriage stopping and run-away tend to occur in normal mode. In this case.
 - a) Switch to test mode,
- b) Shift the pick-up to signal surface center using FWD or REV key.
- c) Press the RPT/CH4 key to close focus.
- d) Press the RANDOM/CH5 key to close the tracking.

- e) Observe RFO in respect to VC, and turn the tangential adjustment screw to obtain a flat waveform at the 11T
- f) Repeat the adjustment resuming from step 2.

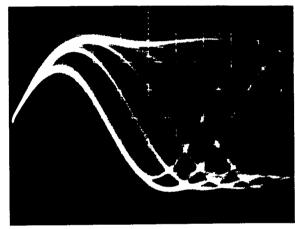


Adjustment Procedure (without R379 removed)

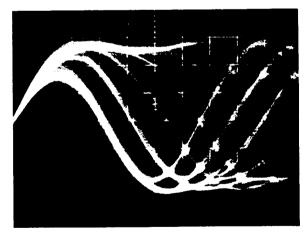
- 1. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- 2. Turn the tangential adjustment screw to obtain a good RF waveform eye pattern. Turn the adjustment screw both clockwise and counterclockwise to points where the eye pattern deteriorates, and take the midway point as the adjustment point. As a general guide, look for an overall clear waveform, and one of the diamond shapes in the eye pattern. The diamond shapes should appear in fine lines at the point of optimum adjustment. Take care not to knock the pick-up with the screwdriver at this stage. (This kind of accident can result in loss of focus.) (See Fig. 25-27)
- 3. Apply "screw-lock" to the tangential adjustment screw.
- 4. After adjusting tangential skew, also adjust the grating.



NG Fig. 25



OK Fig. 26



NG Fig. 27

8.8 Grating Adjustment

- Purpose: The grating may need adjustment in a replaced pick-up assembly.
- Maladjustment symptoms: No disc playback; track jumping
- Measuring equipment/ iias
- Measuring point
- Test disc and setting
- Adjustment position
- Oscilloscope, clock driver, grating adjustment filter (bandpass filter),
 AC millivoltmeter, two low-pass filters
- TEY, E LPF output, F LPF output
- SONY TYPE 4 (or TYPE 3) Test mode
- Pick-up grating adjustment hole

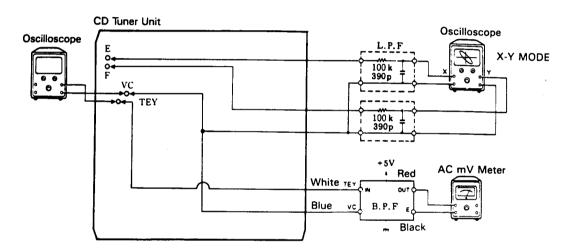


Fig. 28

- 1. Connect a low-pass filter (100k, 390p) to test points E, F, and VC as shown in the above diagram.
- 2. Switch regulator ON in test mode, and load a disc.
- 3. Press the RPT/CH4 key to close focus.
- 4 Press the RANDOM/CH5 key to close tracking.
- Press the FWD or REV key, move the pick-up to about the center of the signal surface (tune TNO 6). (TYPE 3: TNO 7)
- 6. Press the RANDOM/CH5 key to open tracking.
- 7. While monitoring the TEY filter output by AC milli-voltmeter, turn the grating adjustment hole slowly. The AC voltage increases and decreases while turning the screw. Search for the minimum voltage level. (This corresponds to the position where the grating is on a track, and is referred to as the null point.)
- 8. Then while monitoring TEY by oscilloscope, turn the driver slowly clockwise from the null point (as seen from under the lens) until the first waveform peak amplitude is reached. (See Fig. 30-35)

- With the E low-pass filter output connected to the X axis
 of the oscilloscope, and the F low-pass filter output connected to the Y axis, apply an input in AC mode and observe the
 Lissajous figure.
- 10. Using the driver, adjust the Lissajous figure to a single line (or as close as possible).
- 11. Switch regulator OFF and remove the filters.

B.P.F.

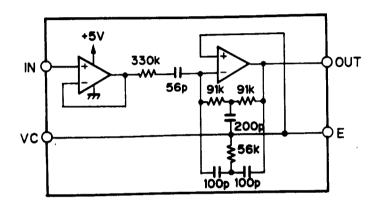
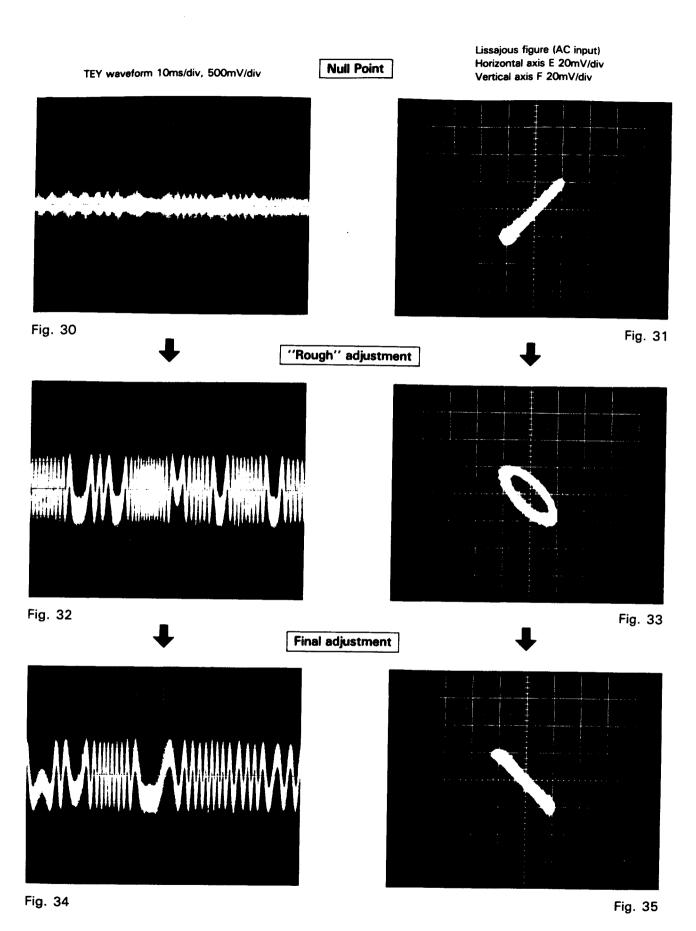


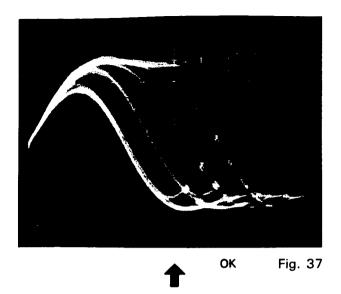
Fig. 29

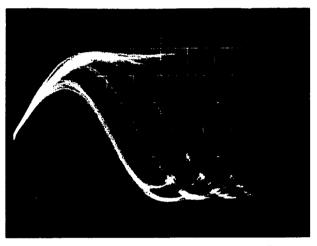


8.9 Focus Bias Adjustment

• Purpose: To adjust the focus servo bias to an optimum value ● Maladjustment symptoms: Focus closing difficulty, poor playability Measuring equipment/ • Oscilloscope Measuring point • RFO ● Test disc and setting • SONY TYPE 4 (or TYPE 3) • Normal mode Adjustment position • VR352-1 (FEB) **CD Tuner Unit** 0.2μS/div. 0.2V/div. AC MODE o← RFO Fig. 36

- 1. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- Observe RFO in respect to VC in the oscilloscope, and adjust VR352-1 (FEB) to obtain maximum RF and optimum eye pattern. (See Fig. 37 and 38)





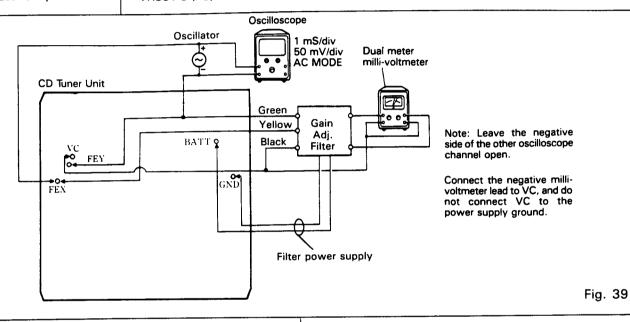
0.2µs/div. 0.2V/div. AC Mode

Before adjustment

Fig. 38

8.10 Focus Servo Loop Gain Adjustment

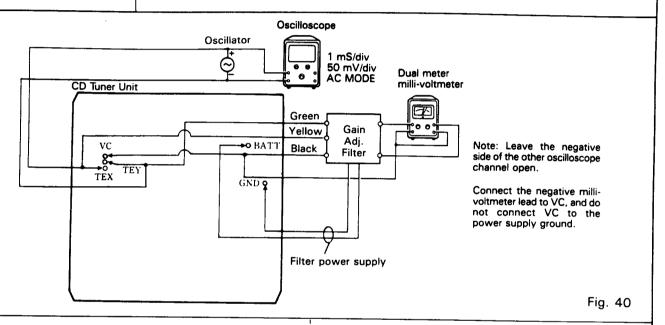
- Purpose: To adjust the focus servo loop gain to an optimum value
- Maladjustment symptoms: Poor playability, reduced resistance to vibration, focus closure fails readily
- Measuring equipment/
- Measuring point
- Test disc and setting
- Adjustment position
- Oscillator, gain adjustment filter, dual meter milli-voltmeter ➤ Same as for CDX-2
- FEX, FEY
- SONY TYPE 4 (or TYPE 3) Normal mode
- VR351-3 (FG)



- 1. After checking that the power is OFF, connect the gain adjustment filter and measuring equipment as shown in the above diagram.
- 2. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- 3. Set the oscillator to 1kHz, and observe the FEX/FEY output in the oscilloscope. Adjust the oscillator output to obtain a FEX/FEY output of 200mVp-p.
- 4. Adjust VR351-3 (FG) to obtain a milli-voltmeter difference of 0 \pm 0.5dB.

8.11 Tracking Servo Loop Gain Adjustment

- Purpose: To adjust the tracking servo loop gain to an optimum value
- Maladjustment symptoms: Poor playability, reduced resistance to vibration
- Measuring equipment/ iias
- Measuring point
- Test disc and setting
- Adjustment position
- Oscillator, gain adjustment filter, dual meter milli-voltmeter
- TEX, TEY
- SONY TYPE 4 (or TYPE 3) Normal mode
- VR351-2 (TG)



- After checking that the power is OFF, connect the gain adjustment filter and measuring equipment as shown in the above diagram.
- 2. Play tune TNO 12 in normal mode. (TYPE 3: TNO 14)
- Set the oscillator to 1.4kHz, and observe the TEX/TEY output in the oscilloscope. Adjust the oscillator output to obtain a TEX/TEY output of 200mVp-p.
- 4. Adjust VR351-2 (TG) to obtain a milli-voltmeter difference of 0 \pm 0.5dB.

8.12 TE Offset Adjustment-II

Purpose: To adjust the ele	ectrical offset of the tracking servo to zero.
----------------------------	--

Maladjustment symptoms: Search times too long, carriage run-away

Measuring equipment/ jigs

- DC voltmeter
- Measuring point
- TAO low-pass filter output
- Test disc and setting
- Test mode
- Adjustment position
- No discVR352-2

Adjustment Procedure

Same as for TE offset adjustment - I, but with the DC voltage of the TAO LPF output adjusted to 0 \pm 50mV.

The purpose of this additional adjustment is to correct any deviations generated when carrying out the tracking balance and tracking servo loop gain adjustments after completing TE offset adjustment - I.

8.13 Tracking Balance Adjustment - II

- Purpose: To adjust the tracking servo offset to zero.
- Maladjustment symptoms: Search times too long, poor playability, carriage run-away
- Measuring equipment/ jigs
- Oscilloscope
- Measuring point
- TEY low-pass filter output
- Test disc and setting
- SONY TYPE 4 (or TYPE 3) Test mode

Adjustment Procedure

Steps 1 thru 5 same as tracking balance adjustment-l.

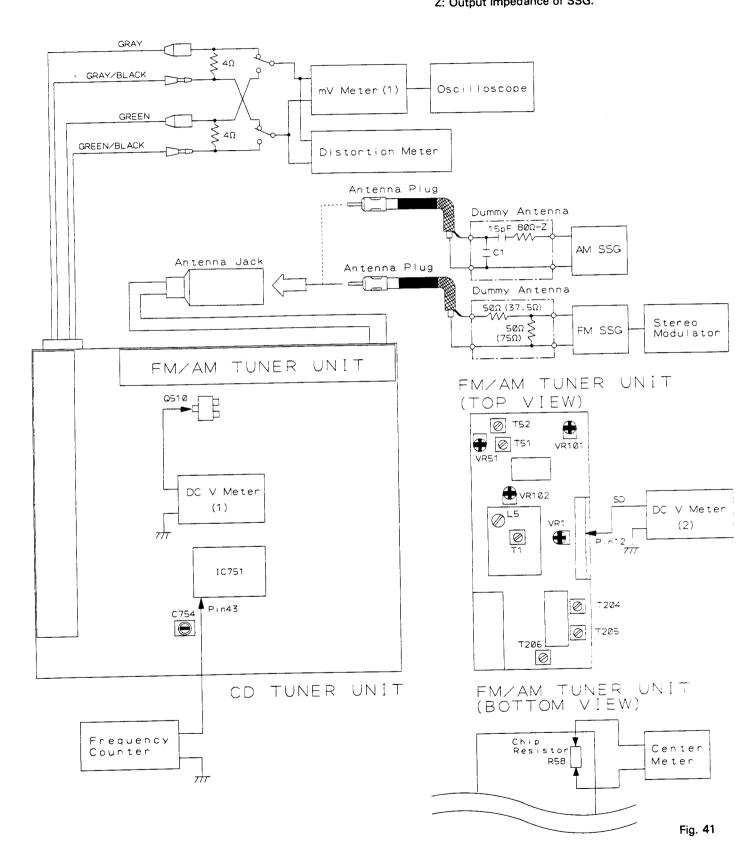
- 6. Check that the level difference between the positive and negative amplitudes of the TEY signal is within 5% (See Fig. 15-17). If greater than 5%, adjust with VR351-1.
- 7. If further adjustment was necessary in step 6, repeat TE offset adjustment - II.

8.14 Tuner and Clock Section

• Connection Diagram

NOTICE: Select C1 so that total capacity of 80pF attained from the direction of the receiver jack.

Z: Output impedance of SSG.



MW/LW ADJUSTMENT (DEH-700SDK/WG, DEH-700, 600/EW)

	No.	AM SSG (400Hz, 30%)		Displayed	Adjusting	Adjustment Method
		Frequency (kHz)	Level (dB μ V)	Frequency (kHz)	Point	(Switch Position)
Tun- ing Volt	1	(MW MODE)		1,602		Verify that DC V Meter (1) is less than 6.5V.
٧٥١١	2	(LW MODE)		153		Verify that DC V Meter (1) is more than 2.0V.
l F	1	999	20 — 25	999	T204, 205, 206	mV Meter(1):Maximum

AM ADJUSTMENT (DEH-750/UC, ES, DEH-80, 620/US, DEH-650/UC)

*:ES model when tuning step at 9kHz.

	No.	AM \$86 (400Hz.30%)		Displayed	Adjusting	Adjustment Method
		Frequency (kHz)	Level (dВµV)	Frequency (kHz)	Point	(Switch Position)
Tun- ing Volt	1			1,710 *(1.602)		Verify that DC V Meter (1) is less than 6.5V.
V U1(2			530 * (531)		Verify that DC V Meter (1) is more than 2.0V.
! F	1	1.000 *(999)	20 — 25	1,000 *(999)	T204, 205, 206	mV Meter(1):Maximum

FM ADJUSTMENT

 \Re Stereo MOD.: 1kHz, L+R=90%, Pilot=10%

*: US and UC model

		FM SSG (400	Hz, 100%)	Displayed	Adjusting Point	Adjustment Method (Switch Position)				
	No.	Frequency (MHz)	Level (dB μ V)	Frequency (MHz)	FOINT	(0#1(0111031(101)				
1 F	1	98. 1	60	98.1	T 5 1	Center Meter:0				
	2	98. 1	60	98.1	T 5 2	Distortion Meter:Minimum				
	3	Repeat No. 1-2 alternately so that the center meter indicates the 0 output and distortion meter indicates minimum output.								
Fro-	-1			108.0	L 5	DC V Meter(1):6.2±0.2V				
End	2			87. 5 *(87. 9)		Verify that DC V Meter(1) is more than 2.1 \pm 0.6 V				
	3	98. 1	8	98.1	T1	Distortion Meter:Minimum				
Soft	1	98. 1	60	98.1		mV Meter(1):A dB				
Mute	2	98. 1	10	98. 1	VR102	mV Meter(1):A-3dB				
ARC	1	98.1%	3 5	98. 1	VR101	mV Meter(1):Separation 5dB				
S D	1	98. 1	17	98.1	VR 5 1	DC V Meter(2):Approx. 5V				
	2	98.1	16	98.1		Verify that DC V Meter (2) is approx. OV.				
	3	98.1	5 5	98. 1	VR1	DC V Meter(2):Approx. 5V				
	4	98.1	54	98.1		Verify that DC V Meter (2) is approx. OV.				

CLOCK ADJUSTMENT (DEH-750/UC, ES, DEH-80, 620/US, DEH-650/UC)

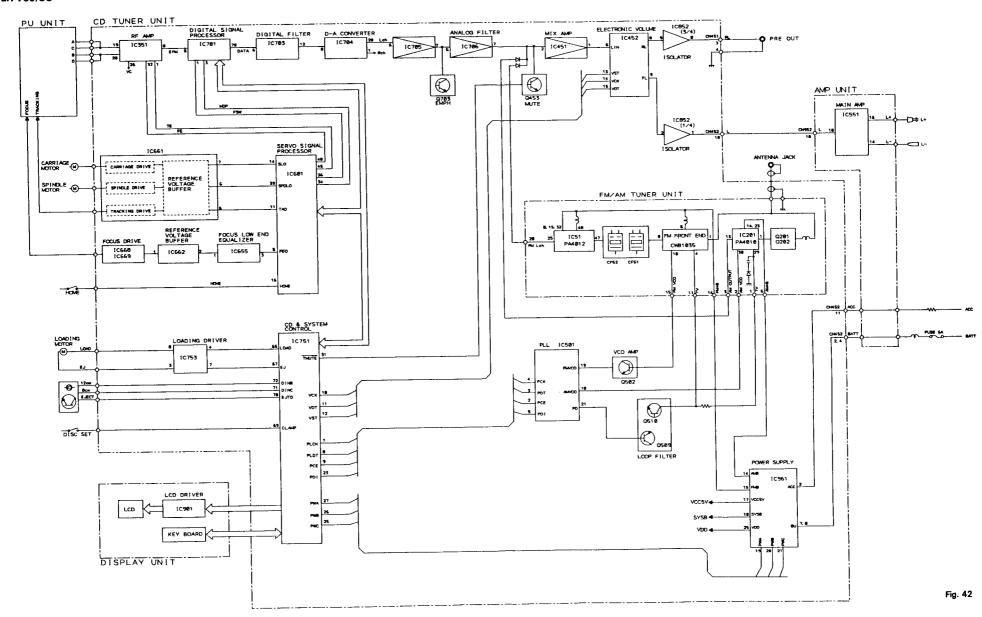
ı	No.	Adjustment point	Adjustment Method
	1		Press the CLEAR button
	2		Set IC751 TESTIN (24 pin) to L (i.e., connect to GND).
	3		Measure the frequency output from DISB/CLOCK (43 pin). (This is output only when TESTIN is in the L state.)
	4	C754	Frequency counter: 1.048567MHz ± 2Hz

Note: Since the 43 pin acts also as a DISB terminal, adjustment should be made with all of sources kept OFF.



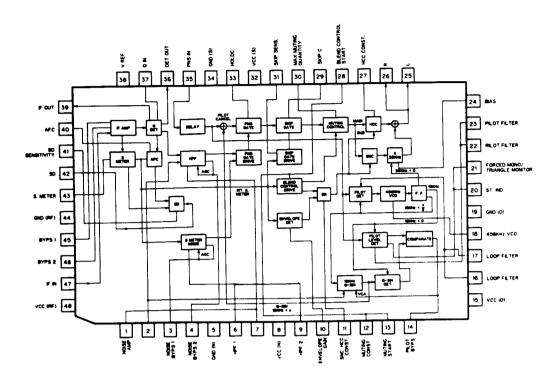
9. BLOCK DIAGRAM

• DEH-750/UC

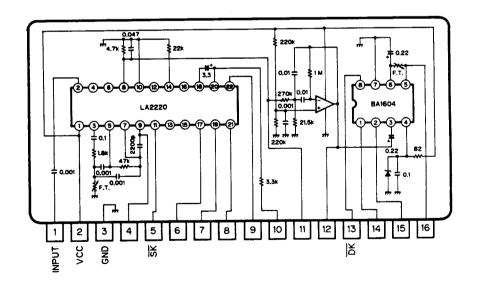


• ICs

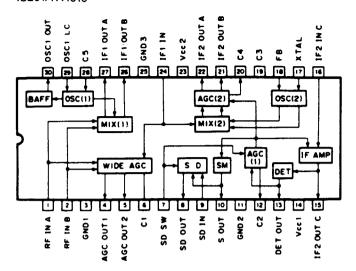
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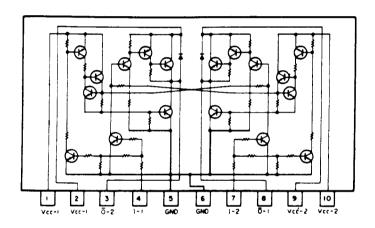
IC502: KHA172



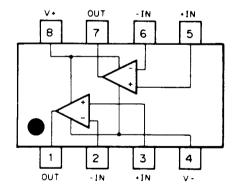
IC201: PA4010



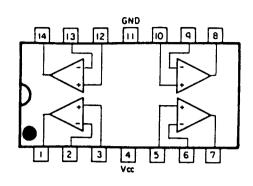
IC753: M54546AL



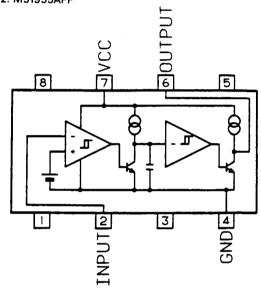
IC451, 655, 657, 662, 706, 851: M5218FP IC705: UPC358G2



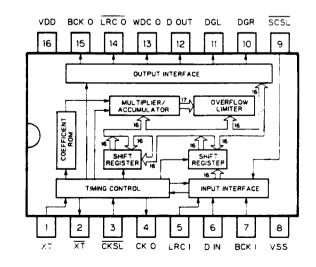
IC852: M5228FP



IC752: M51955AFP



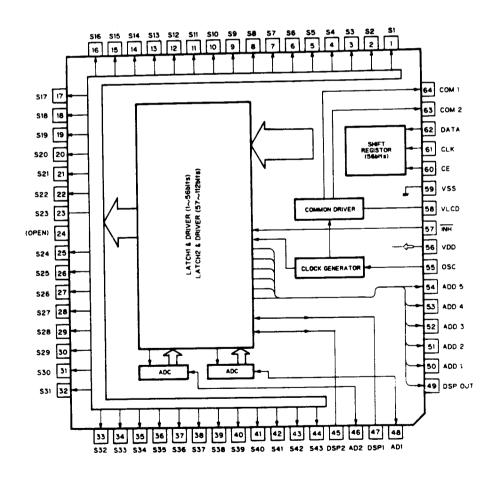
IC703: SM5807ES-M



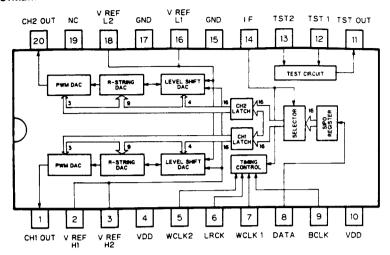
A Pin Functions (SM5807ES-	• D : n	Eunct	ions	(SM58)	0 7 E S - M)
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Pin	Pin name	1/0	Function and Operation
1	ΧT	input	Oscillator input
2	XT	output	Oscillator output
3	CKSL		"H":XT← 16.93MHz input
4	СКО	output	Clock output
5	LRCI		44.1kHz synchronization clock input
6	DIN		Serial data input
7	BCKI		Bit clock input(Serial input)
8	VSS		GND
9	SCSL		System clock switching. "H":192fs(fs:Sampling frequency)
1 0	DGR	output	R-ch digridge signal (176.4kHz)
1 1	DGL	output	L-ch digridge signal (176.4kHz)
1 2	DOUT	output	Serial data output
1 3	WDCO	output	Output control clock (352. 8kHz)
1 4	LRCO	output	Output control clock (176. 4kHz)
1 5	вско	output	Bit clock output (Serial output)
1 6	VDD		Power supply (5V)

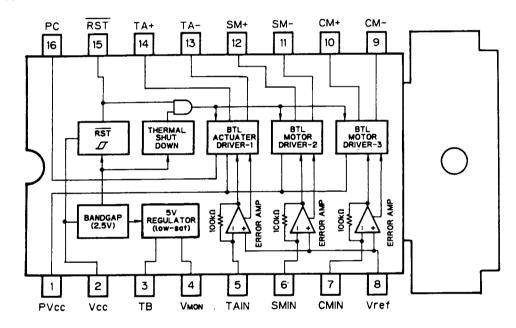
IC901: LC7582A



IC704: LC7881MBM

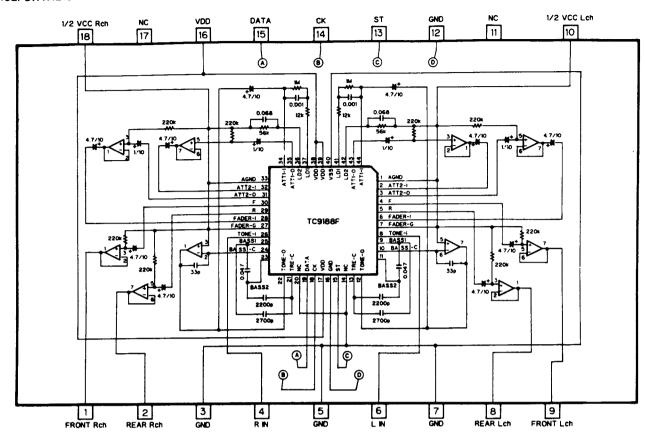


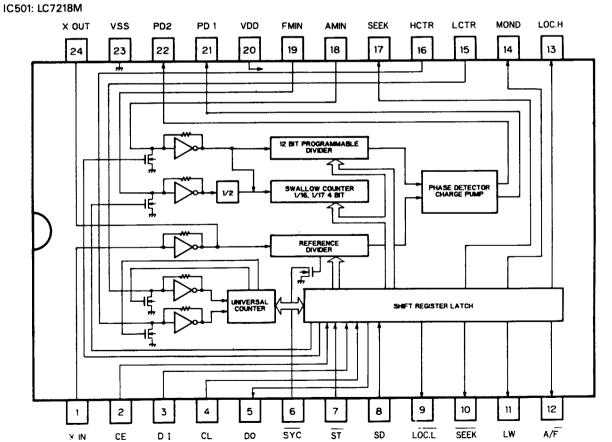
IC651: AN8377N

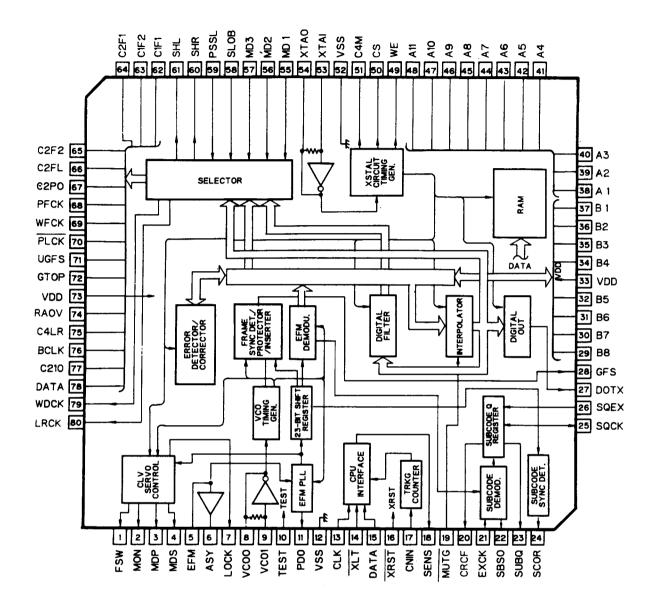


• P i	n	F	u n	C	t	i	ons	(A)	18	3	77	N)	
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Pin	Pin name	1/0	Function and Operation
1	PVCC		Driver power supply
2	VCC		Power supply
3	TB	input	Transistor base input
4	VMON	output	5V regulator output
5	TAIN	input	Actuater driver 1 error input
6	SMIN	input	Motor driver 2 error input
7	CMIN	input	Motor driver 3 error input
8	VREF	input	Vref input
9	C M -	output	Motor driver 3 ·inverter output
1 0	CM+	output	Motor driver 3 -non-inverting output
1 1	SM-	output	Motor driver 2 ·inverter output
1 2	S M +	output	Motor driver 2 •non-inverting output
1 3	TA-	output	Actuator driver 1 · inverter output
1 4	T A +	output	Actuator driver 1 · non-inverting output
1 5	RST	output	Reset output
1 6	PC		PC input







● Pin Functions (CXD1167Q)

Pin No.	Pin Name	I/O	Function and Operation
1	FSW	Output	Spindle motor output filter time constant selector output
2	MON	Output	Spindle motor ON/OFF control output
3	MDP	Output	Spindle-motor drive output - "rough" control in CLV-S mode, and phase control in CLV-P mode
4	MDS	Output	Spindle motor drive output - speed control in CLV-P mode
5	EFM	Input	EFM signal input from RF amplifier
6	ASY	Output	EFM signal slice level control output
7	LOCK	Output	Sampling of GFS signal by WFCK/16 - "H" output if "H", "L" output if "L" detected eight times in succession
8	vc00	Output	VCO output - f = 8.6436MHz when EFM signal is locked
9	VCOI	Input	VCO input
10	TEST	Input	(OV)
11	PDO	Ouptut	EFM signal and VCO/2 phase comparison output
12	Vss	_	Ground (OV)
13	CLK	Input	Serial data transfer clock input from CPU - data latched by clock leading edge
14	XLT	Input	Latch input from CPU - 8-bit shift register data (serial data from CPU) is latched in each register.
15	DATA	Input	Serial data input from CPU
16	XRST	Input	System reset signal input - reset when "L"
17	CNIN	Input	Tracking pulse input
18	SENS	Output	Output of internal status according to address
19	MUTG	Input	Muting input - when ATTM of internal register A is "L", MUTG "L" denotes normal status, and "H" muted status
20	CRCF	Output	Sub-code Q CRC check result output
21	EXCK	Input	Clock input for sub-code serial output
22	SBSO	Output	Sub-code serial output
23	SUBQ	Output	Sub-code Q output
24	SCOR	Output	Sub-code synchronizing S0 + S1 output
25	SQCK	Input/Output	Sub-code Q read clock
26	SQEX	Input	SQCK selector input
27	DOTX	Output	Digital out output (WFCK output)
28	GFS	Output	Frame synchronizing lock status indicator output
29	B8	Input	Connected to GND
30	B 7	Input	Connected to GND
31	B6	Input	Connected to GND
32	B5	Input	Connected to GND
33	V _{DD}	_	Power supply (+5V)
34	B4	Input	Connected to GND
35	В3	Input	Connected to GND

Pin No.	Pin Name	I/O	Function and Operation
36	B2	Input	Connected to GND
37	B1	Input	Connected to GND
38	A1	Input	Connected to GND
39	A2	Input	Connected to GND
40	А3	Input	Connected to GND
41	A4	Input	Connected to GND
42	A5	Input	Connected to GND
43	A6	Input	Connected to GND
44	Α7	Input	Connected to GND
45	A8	Input	Connected to GND
46	A9	Input	Connected to GND
47	A10	Input	Connected to GND
48	A11	Input	Connected to GND
49	WE	Output	External RAM write enable signal output (active "L")
50	cs	Output	External RAM chip select signal output (active "L")
51	C4M	Output	X'tal frequency division output (f = 4.2336MHz)
52	Vss		Ground (OV)
53	XTAI	input	Crystal oscillator Input
54	XTAO	Output	Crystal oscillator output
55	MD1	Input	Mode selector input 1
56	MD2	Input	Mode selector input 2
57	MD3	Input	Mode selector input 3
58	SLOB	Input	Audio data output code selector input - 2's complement output "L", offset binary output if "H"
59	PSSL	Input	Audio data output mode selector input - serial output if "L", parallel output if "H"
60	SHR	Output	Aperture correction control output - "H" when right channel
61	SHL	Output	Aperture correction control output - "L" when left channel
62	C1F1	Output	C1F1 output
63	C1F2	Output	C1F2 output
64	C2F1	Output	C2F1 output
65	C2F2	Output	C2F2 output
66	C2FL	Output	C2FL output
67	C2PO	Output	C2PO output
68	RFCK	Output	RFCK output
69	WFCK	Output	WFCK output
70	PLCK	Output	PLCK output
71	UGFS	Output	UGFS output
72	GTOP	Output	GTOP output

Pin No.	Pin Name	I/O	Function and Operation
73	V _{DD}		Power supply (+5V)
74	RAOV	Output	RAOV output
75	C4LR	Output	C4LR output
76	BCLK	Output	C210 output
77	C210	Output	C210 output
78	DATA	Output	DATA output
79	WDCK	Output	Strobe signal output
80	LRCK	Output	Strobe signal output

Note:

C1F1: C1 decoding error correction status monitor output

C1F2: __

C2F1: C2 decoding error correction status monitor output

C2FL: Corrected status output - "H" if C2 system currently being corrected cannot be corrected

C2PO: C2 pointer indication output - synchronized with audio data output

RFCK: Read frame clock output - crystal oscillator 7.35kHz

WFCK: Write frame clock output - f = 7.35kHz when crystal oscillator is locked

PLCK: VCO/2 output - f = 4.3218MHz when EFM signal is locked

UGFS: Unprotected frame synchronizing pattern output

GTOP: Frame synchronization protection status indicator output

RAOV: ±4 frame jitter absorption RAM overflow and underflow indicator output

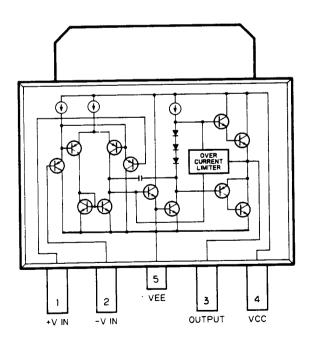
C4LR: Strobe signal

BCLK: C210 inverting output

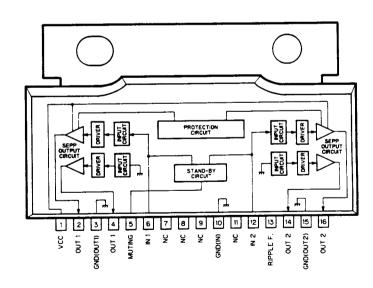
C210: Bit clock output

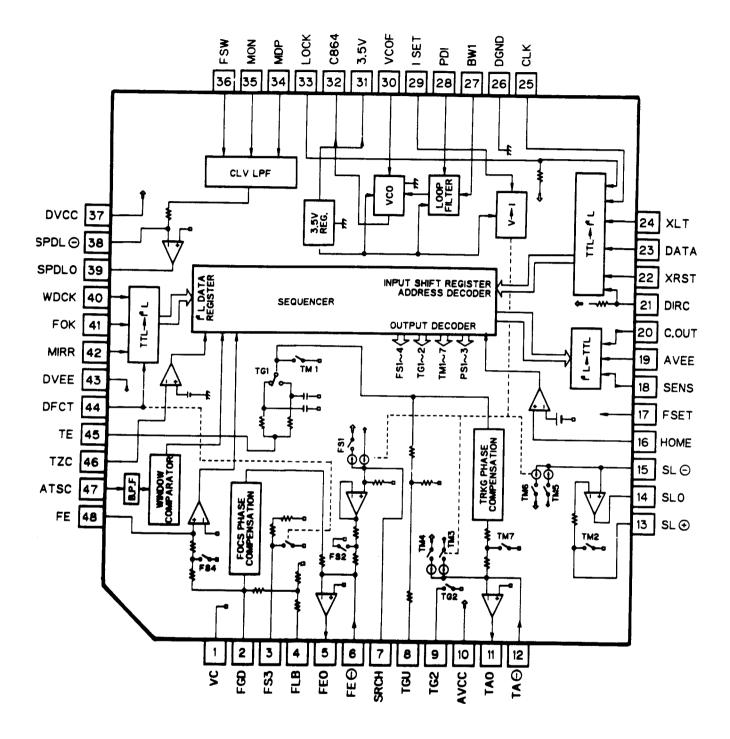
DATA: Audio signal serial data output

IC668, 669: LA6501-FA



IC551: AN7188K



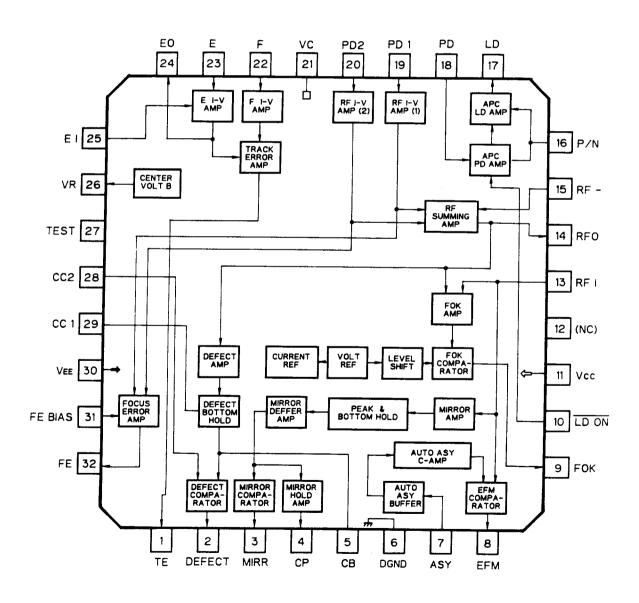


● Pin Functions (CXA1082BQ)

Pin No.	Pin Name	1/0	Function and Operation
1	VC		Servo reference voltage input pin
2	FGD		Connect to pin 3 to switch focus servo OFF when defect occurs
3	FS3	<u> </u>	Internal DFCT switch closed when pin 44 is high
4	FLB		Focus servo low region boost external time constant pin
5	FEO	Output	Focus drive output - connect to low-end equalizer
6	FE –	Input	Focus amplifier inverter input pin
7	SRCH		Focus search waveform generation external time constant connector pin
8	TGU	Output	Tracking low-end equalizer connection output pin
9	TG2		Pin 7 discharge switch for starting focus search from lens center
10	AVCC		+ 5V connection
11	TAO	Output	Tracking drive output
12	TA-	Input	Tracking amplifier inverter input pin
13	SL+	Input	Sled amplifier non-inverting input pin
14	SLO	Output	Sled drive output
15	SL-	Input	Sled amplifier inverter input pin
16	номе	Input	Sled home position detector switch input pin
17	FSET		Focus/tracking phase compensation peak and CLV low-pass filter fo setting pin
18	SENS	Output	Output of FZC, AS, TZC, SSTOP, and BUSY depending on command from CPU
19	AVEE		AGND connection
20	COUT	Output	Track counter signal output
21	DIRC		Not used
22	XRST	Input	Reset input pin - reset when "L"
23	DATA	Input	Serial data input from CPU
24	XLT	Input	Latch input from CPU
25	CLK	Input	Serial data transfer clock input from CPU
26	DGND		DGND connection
27	BW1		Loop filter external time constant pin
28	PDI	Input	Input of CXD1135 phase comparator output PDO
29	ISET		Current which determines focus search, track jump, and sled kick height
30	VCOF		VCO free-running frequency more or less inversely
31	3.5V	Output	Proportional to resistance value between pins 30 and 31
32	C864	Output	8.64MHz VCO output pin
33	LOCK		Not used
34	MDP		Connect to MDP pin of CXD1135
35	MON		Connect to MON pin of CXD1135
36	FSW		CLV servo error signal low-pass filter external time constant pin
37	DVCC		+ 5V connection
38	SPDL -	Input	Spindle drive amplifier inverter input pin

Pin No.	Pin Name	I/O	Function and Operation
39	SPDLO	Output	Spindle drive output
40	WDCK	Input	Auto-sequence clock input 176.4kHz
41	FOK	Input	FOK signal input pin
42	MIRR	Input	Mirror signal input pin
43	DVEE		DGND connection
44	DFCT	Input	DEFECT signal input pin - defect countermeasure circuit activated when this input is high
45	TE	Input	Tracking error signal input pin
46	TZC	Input	Tracking zero-cross comparator input pin
47	ATSC	Input	Tracking lens offset detector window comparator input pin
48	FE	Input	Focus error signal input pin

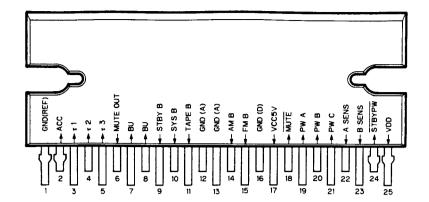
* IC351: CXA1081Q



● Pin Functions (CXA1081Q)

Pin No.	Pin. Name	I/O	Function and Operation
1	TE	Output	Tracking error amplifier output pin
2	DEFECT	Output	DEFECT comparator output pin
3	MIRR	Output	MIRR comparator output pin
4	СР	Input	MIRR hold capacitor connector pin - MIRR comparator non-inverting input pin
5	СВ	Input	DEFECT bottom hold capacitor connector pin
6	DGND		Ground connection
7	ASY	Input	Auto asymmetry control input pin
8	EFM	Output	EFM comparator output pin
9	FOK	Output	Focus OK comparator output pin
10	LDON	Input	Laser diode ON/OFF switching
11	vcc		Positive power supply pin
12	NC		
13	RFI	Input	Input of capacitance-coupled RF summing amplifier output
14	RFO	Output	RF summing amplifier output pin - eye pattern check point
15	RF -	Input	RF summing amplifier feedback input pin
16	P/N	Input	Laser diode P-sub/N-sub selector pin
17	LD	Output	APC LD amplifier output pin
18	PD	Input	APC PD amplifier input pin
19	PD1	Input	RF I-V amplifier (1) inverter input pin - connected to photodiode A + C pin for current input
20	PD2	Input	RF I-V amplifier (2) inverter input pin - connected to photodiode B + D pin for current input
21	VC		Connected to VR
22	F	Input	I-V amplifier inverter input pin - connected to photodiode for current input
23	E	Input	I-V amplifier inverter input pin - connected to photodiode for current input
24	EO	Output	E I-V amplifier output pin
25	EI	Input	E I-V amplifier feedback input for E I-V amplifier gain adjustment
26	VR	Ouput	(V _{CC} + V _{EE})/2 DC voltage output pin
27	TEST		Open
28	CC2	Input	Input of capacitance-coupled DEFECT bottom hold output
29	CC1	Output	DEFECT bottom hold output pin
30	VEE		Ground connection
31	FE BIAS	Input	Focus error amplifier non-inverting bias pin Used in focus error amplifier CMR adjustment
32	FE	Output	Focus error amplifier output pin

IC961: PA2018



• Pin Functions (PA2018)

Pin No.	Pin Name	1/0	Function and Operation	
1	GND		GND (ref) Reference GND	
2	ACC	Input	Connected to accessory power supply of a car	
3	τ1	Input	Connected with external capacity for VDD backup	
4	τ2	Input	Connected with external capacity and used for setting of the operation time of the overcurrent protective function	
5	τ3	Input	Connected with external capacity and used for setting of the delay time of MUTE OUT	
6	MUTEOUT	Output	MUTE circuit control output	
7	BU	Input	Connected to car backup power supply	
8	BU	Input	Connected to car backup power supply	
9	STBYB	Output	Power amplifier control signal output	
10	SYSB	Output	Stabilized power output for circuits (sound quality, sound volume, balance, etc.) common to the system	
11	TAPEB	Output	Stabilized power output for cassette deck circuit (equalizer amplifier, etc.)	
12	GND(A)		Analog GND	
13	GND(A)		Analog GND	
14	AMB	Output	Stabilized power output for AM tuner circuit	
15	FMB	Output	Stabilized power output for FM tuner circuit	
16	GND(D)	Output	Digital GND	
17	VCC5V	Output	Stabilized power output used for microcomputer interface circuit	
18	MUTE	Input	MUTE control input from the outside (MUTE OUT at H for input of L)	
19	PWA	Input		
20	PWB	Input	Input for output selection, which controls the output with three bit signals of PWA, PWB, and PWC	
21	PWC	Input		
22	ASENS	Output	ACC line voltage detection output (H for voltage detection)	
23	BSENS	Output	BU line voltage detection output (H for voltage detection)	
24	STBYPW	Output	Terminal for internal circuit which is connected with external capacity	
25	VDD	Output	Stabilized power output for microcomputer, with backup and overcurrent protection functions	

DECODER LOGIC (PA2018)

	INPUT	•		OUTPUT		
Pin 19 PWA	Pin 20 PWB	Pin 21 PWC	Pin 10 SYSB	Pin 11 TAPEB	Pin 15 FMB	Pin 14 AMB
L	L	L	OFF	OFF	OFF	OFF
L	L	Н	ON	OFF	OFF	ON
L	Н	L	O N	OFF	ON	OFF
L	Н	Н	ON	OFF	OFF	OFF
Н	L	L	ON	ON	OFF	OFF
Н	L	Н	ON	ON	OFF	ON
Н	Н	L	ON	ON	ON	OFF
Н	Н	Н	ON	ON	ON	ON

• Detection of voltage

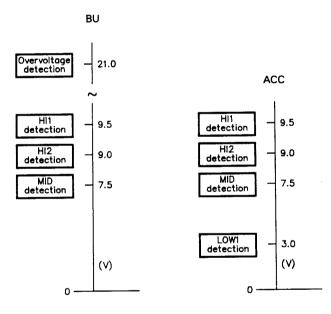


Fig. 43

HI1 detection 1. MUTE operation stop control

HI2 detection

- 1. MUTE operation start control
- 2. Audio system power output start control

MID detection

- 1. Control of operation of microcomputer and control systems
- 2. Audio system power output stop control

LOW1 detection

- 1. MUTE operation control
- 2. Control of low current consumption mode

Overvoltage detection 1. Control of outputs other than VDD

Output from power IC (PA2018) to microcomputer svstem

1) VDD: Normally output according to the voltage of τ 1

Output when BU is above the MID detection 2) VCC: voltage and ACC is above the MID detection

voltage.

<VCC output requirements>

BU ≥ MID detection ACC≥ MID detection

3) A sens: Houtput when BU is above the MID detection voltage and ACC is above the MID detection

voltage.

Loutput when above requirements are not met < A sens H-output requirements >

BU≥MID detection ACC ≥ MID detection

4) B Sens: Houtput when BU is above the MID detection voltage

> L output when the above requirement is not met

<B sens H-output requirement>

BU≥MID detection

Output from power IC (PA 2018)

1) SYSB, TAPEB, FMB, AMB:

Hysteresis operation (See the figure below) ON with HI2 detection voltage and OFF with MID detection voltage

ON: When BU is above the HI2 detection voltage and ACC is above the HI2 detection voltage and when any one of inputs (A, B, and C) for output selection is H

<ON requirements>

BU≥HI2 detection ACC≥HI2 detection A or \overline{B} or C=H

OFF: When BU is less than the MID detection voltage or ACC is less than the MID detection voltage or when all of inputs (A, B, and C) for output selection are L

<OFF requirements>

BU < MID detection ACC < MID detection A and B and C=L

For the output state of inputs (A, B, and C) for output selection, refer to the attached material 1. Decoder Logic.

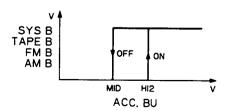


Fig. 44

- 2) STBY B: Output in synchronization with SYSB
- 3) MUTE OUT

Normal operation (See the figure below)

Hysteresis operation

ON with HI2 detection voltage and OFF with HI1 detection voltage

ON: 1 When BU is less than the HI2 detection voltage and ACC is above the LOW1 detection voltage

when ACC is less than the HI2 detection voltage

and

ACC is above the LOW1 detection voltage <ON requirements>

BU<HI2 detection ACC ≥ LOW 1 detection ACC<HI2 detection ACC ≥ LOW1 detection

- When MUTE input is L
- OFF: 1) When BU is above the HI1 detection voltage and ACC is above HI1 detection voltage
 - 2 When ACC is less than the LOW1 detection voltage

<OFF requirements>

BU≥HI1 detection ACC ≥ HI1 detection ACC < LOW1 detection

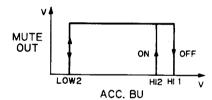


Fig. 45

Delay operation (See the figure below)

The time period during which either BU or ACC remains below the MID detection voltage is represented by "T". Two time periods determined from the external capacity of $\tau 3$ terminal are respectively represented by T3A and T3B.

- T≥T3B
 Delay MUTE OUT ON for a period from rise of BU and ACC above the MID detection voltage up to the end of T3A
- ② T<T3B MUTE OUT not performing delay MUTE OUT up to the end of T3A in (1).

Operation time with the external capacity (condenser) connected to au3:

T3A: about 30ms at 0.1μ

T3B: about 30ms at 0.1 (T3A =T3B)

* When L is input to the MUTE terminal, with MUTE OUT OFF and BU and ACC between HI1 and HI2 detection voltages, MUTE OUT is turned ON. When the MUTE terminal changes from L to H in this state, MUTE OUT remains ON. This ON state is canceled and MUTE OUT is turned OFF when BU and ACC rise above the HI1 detection voltage.

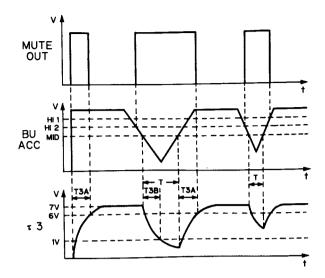
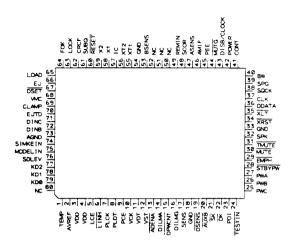


Fig. 46

IC's marked by * are MOS type.

Be careful in handling them because they are very liable to be damaged by electrostatic induction.



• Pin Functions (PD4231)

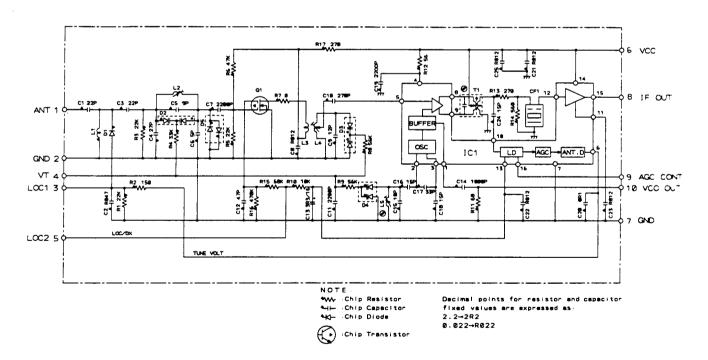
Pin No.	Pin Name	I/O	Output Format	Function and Operation	Stanby	Reset
1	TEMP	Input		High-temperature stop detection/stop input L: HOT state		
2	AVREF	Input		A/D converter reference voltage H: A/D converter enable		
3	VDD			VDD		ļ
4	VDD			VDD		
5	LCE	Output	С	IC901 (LC7582A) chip enable	L	HiZ
6	LINH	Output	С	IC901 (LC7582A) inhibit output	L	HiZ
7	PLCK	Output	С	PLL (IC501), LCD (IC901) common clock output	L	HiZ
8	PLDT	Output	С	PLL (IC501), LCD (IC901) common data output	L	HiZ
9	PCE	Output	С	IC501 (LC7218M) chip enable	L	HiZ
10	VCK	Output	С	IC901 (LC7582A) clock output	L	HiZ
11	VDT	Output	С	IC901 (LC7582A) data output	L	HiZ
12	VST	Output	С	IC901 (LC7582A) strobe output	L	HiZ
13	ADENA	Output	С	AVREF control output H: Standby	Н	HiZ
14	DILMA	Output	С	Dual illumination amber output H: Amber lamp ON	Keep	HiZ
15	DPWCNT	Output	С	Grill power control output H: Standby/detach	н	HiZ
16	DILMG	Output	С	Dual illumination green output H: Green lamp ON	Keep	HiZ
17	SENS	Input		CD servo, Internal state monitor input for signal processing LSI		
18	GND			GND		
19	DSENS	Input		Detach sense input	HiZ	HiZ
20	AUXB	Input		AUX input	HiZ	HiZ
21	SK	Input		SK signal input L: SK input provided	HiZ	HiZ
22	DK	Input		DK signal input L: DK input provided	HiZ	HiZ
23	PDI	Input		IC501 (LC7218M) data input	HiZ	HiZ
24	TESTIN	Input		Test mode input H: Normal	HiZ	HiZ
25	PWC	Output	С	Power IC (C961) power selection C output	L	HiZ
26	PWB	Output	С	Power IC (IC961) power selection B output		
27	PWA	Output	С	Power IC (IC961) power selection A output		

Pin No.	Pin Name	I/O	Output Format	Function and Operation	Stanby	Reset
28	STBYPW	Output	С	Power IC (IC961) standby control output	L	HiZ
29	EMPH	Output	N _M	phasis selection output H: Emphasis ON		HiZ
30	MUTE	Output	N _M	Line mute output	RUP-H	HiZ
31	TMUTE	Output	N _M	Tuner mute output	RUP-H	HiZ
32	SPK	Output	N _M	Spindle kick control output H: Kicking, braking	L	HiZ
33	GND			GND		
34	XRST	Output	N _M	IC701 (CXD1167Q) reset output L: Reset	L	HiZ
35	XLT	Output	N _M	IC701 (CXD1167Q) serial data latch output	L	HiZ
36	DDATA	Output	N _M	IC701 (CXD1167Q) Serial data output	L	HiZ
37	CLK	Output	N _M	IC701 (CXD1167Q) Serial clock output	L	HiZ
38	SQCK	Output	N _M	Sub-code clock output	L	HiZ
39	SPG	Output	С	Spindle gain selection output L: 8cm, H: 12cm	L	HiZ
40	BW	Output	С	Spindle band selection output L: Searching H: Normal	н	HiZ
41	CONT	Output	С	PWM driver ON/OFF output H: ON	L	HiZ
42	POWER	Output	С	CD+5V output H: CD power ON	L	HiZ
43	DISB/CLOCK	Output	С	AUX control output/for clock adjustment H: AUX inhibit	L	HiZ
44	MUTG	Output	С	IC701 (CXD1167Q) mute control output L: Mute ON	L	HiZ
45	PEE	Output	С	Key touch peep sound output	L	HiZ
46	AMIF	Input		MIF count input		
47	ASENS	Input		CC detection input L: ACC down		HiZ
48	SCOR	Input		ub-code sink input		HiZ
49	REMIN	Input		Vireless remote control pulse input		HiZ
50~52	NC					L
53	BSENS	Input		BACK UP detection input L: BACK-UP DOWN	HiZ	HiZ
54	GND			GND		ļ
55	XTI	Input		Blank, connected to GND		
56	XT2	Output		Blank		
57	IC			Connected to GND		
58	X1	Input		Oscillator input		
59	X2	Output		Oscillator output		
60	RESET			Reset		
61	SUBQ	Input		Sub-code data input	HiZ	HiZ
62	CRCF	Input		CR check input	HiZ	HiZ
63	LOCK	Input		Spindle lock detection input H: Lock	HiZ	HiZ
64	FOK	Input		Focus OK detection input	HiZ	HiZ
65	LOAD	Output	l N _M	Loading motor control output	L	HiZ
66	EJ	Output	t N _M	Loading motor driver control output H: Eject	L	HiZ
67	DSET	Output	t N _M	Output for disk set LED	RUP-H	+
68	VMC	Output	t N _M	Loading motor driver power control output	L L	HiZ
69	CLAMP	Input		Disk clamp end detection input L: Clamp over	HiZ	HiZ
70	EJTD	Input		Disk ejection end detection input L: Eject over	HiZ	HiZ
71	DINO	Input		Disk ejection detection C input	HiZ	HiZ

Pin No.	Pin Name	1/0	Output Format	Function and Operation	Stanby	Reset
72	DINB	Input		Disk ejection detection B input	HiZ	HiZ
73	AGND			A/D converter GND		
74	SIMKEIN	Input		Tuner destination selection input		
75	MODELIN	Input		Model selection input		
76	SDLEV	Input	-	SD signal level input H: Strong level broadcast station		
77	KD2	Input		Key return input		
78	KD1	Input		Key return input		
79	KD0	input		Key return input		
80	NC					

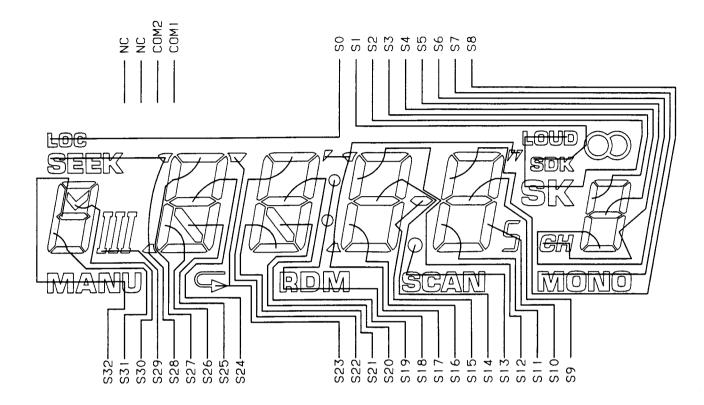
Symbol	Meaning
С	C-MOS
N _m	Neutral resistivity N channel open drain
Hiz	High impedance
RUP-H	With pull-up resistor

• FM Front End (CWB 1035)



• LCD (CAW 1074)

SEGMENT



COMMON

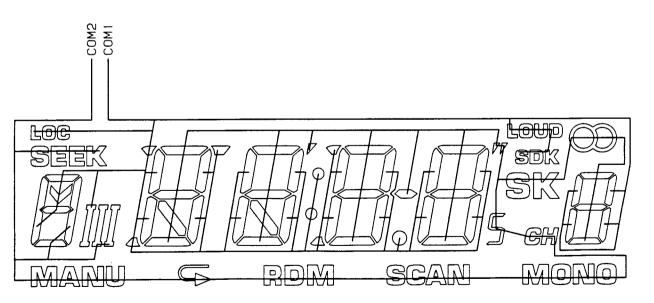
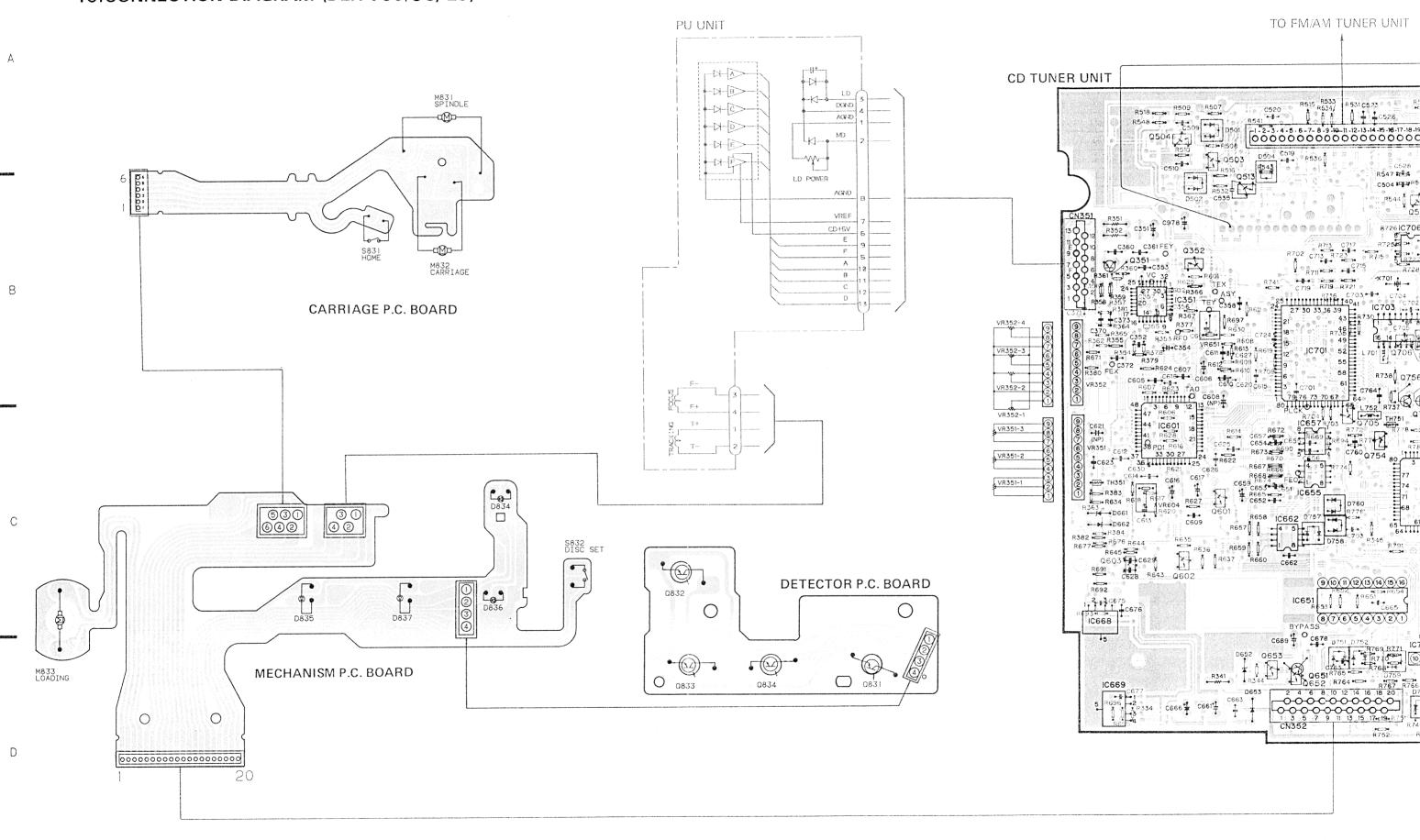
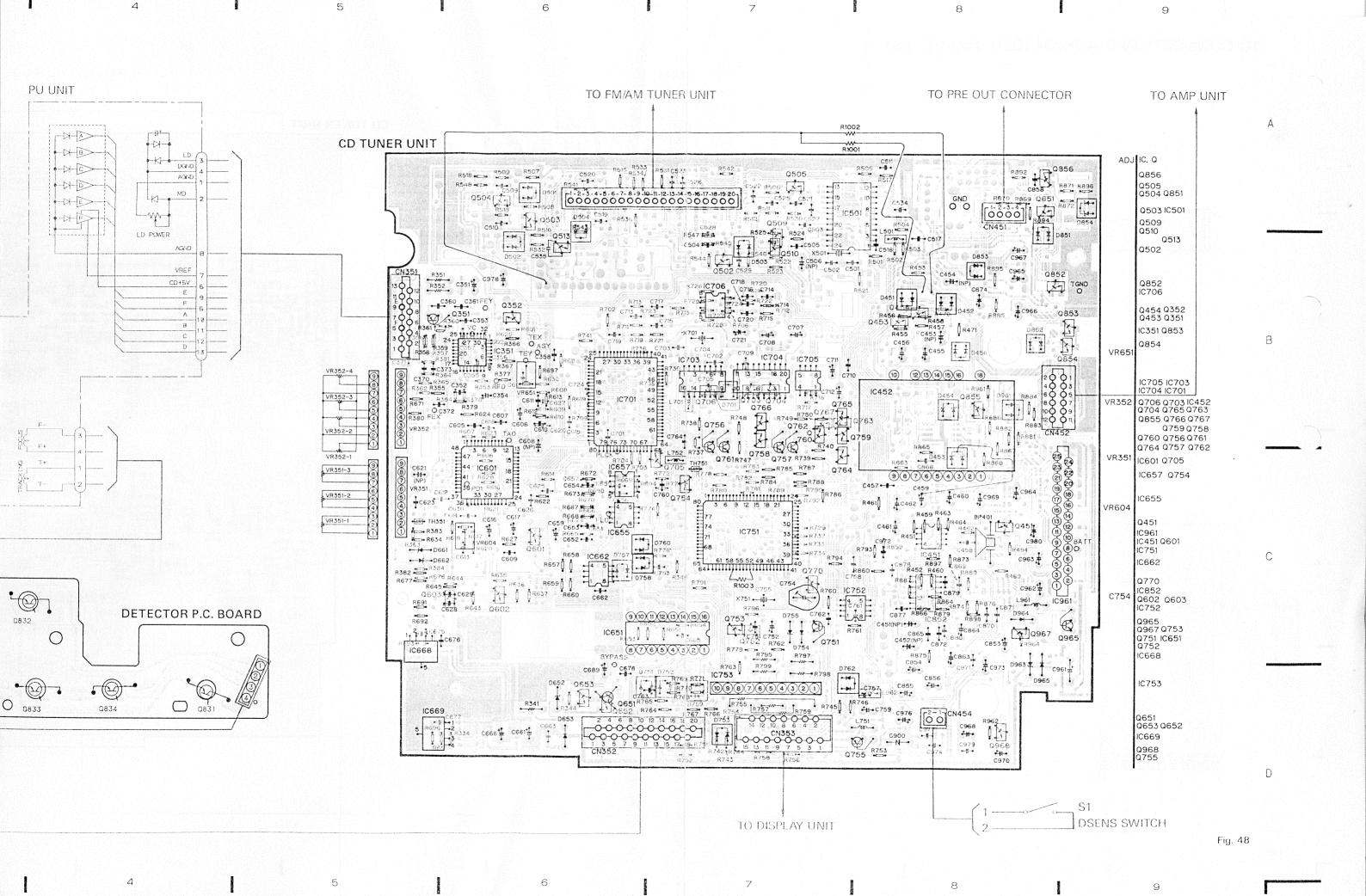
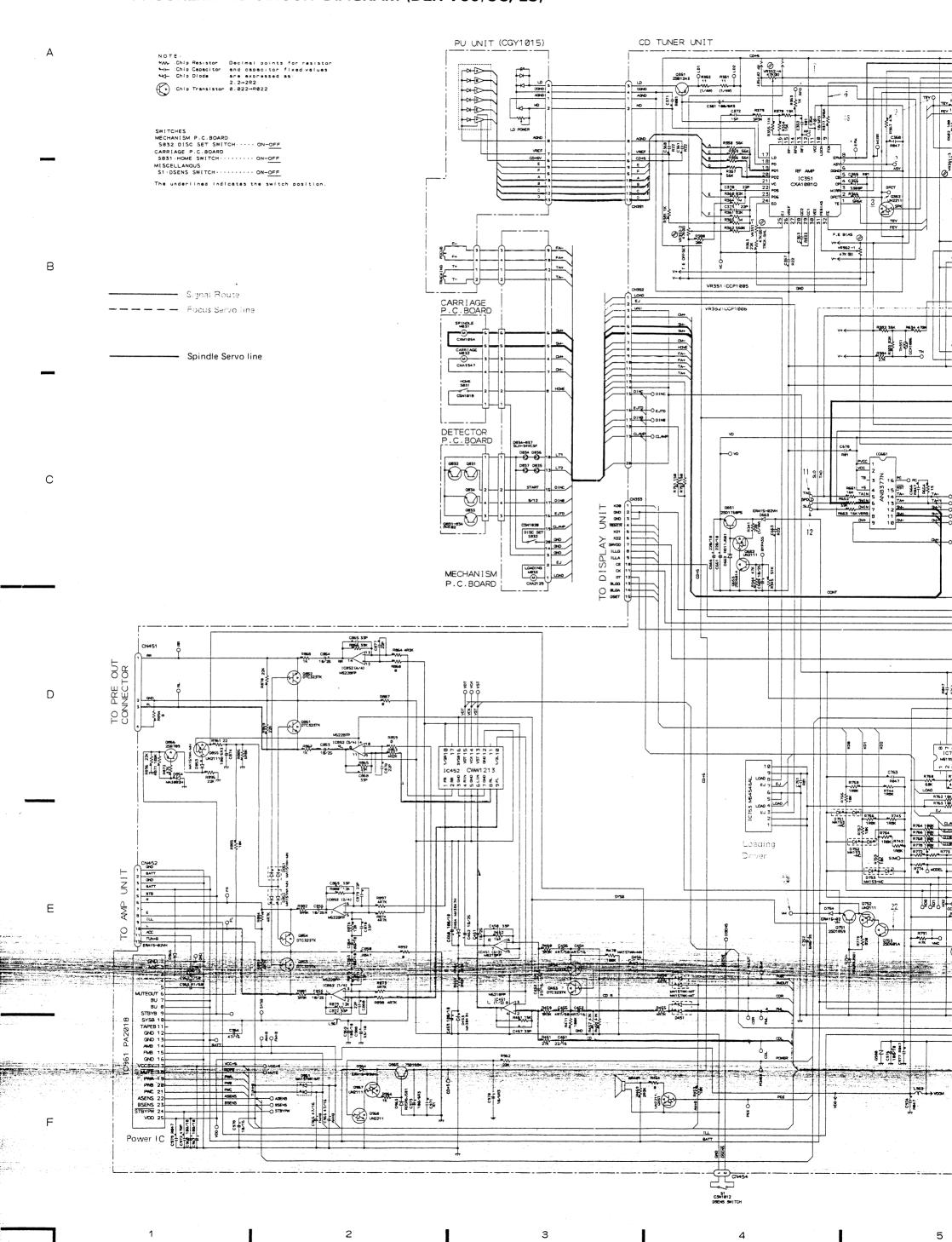
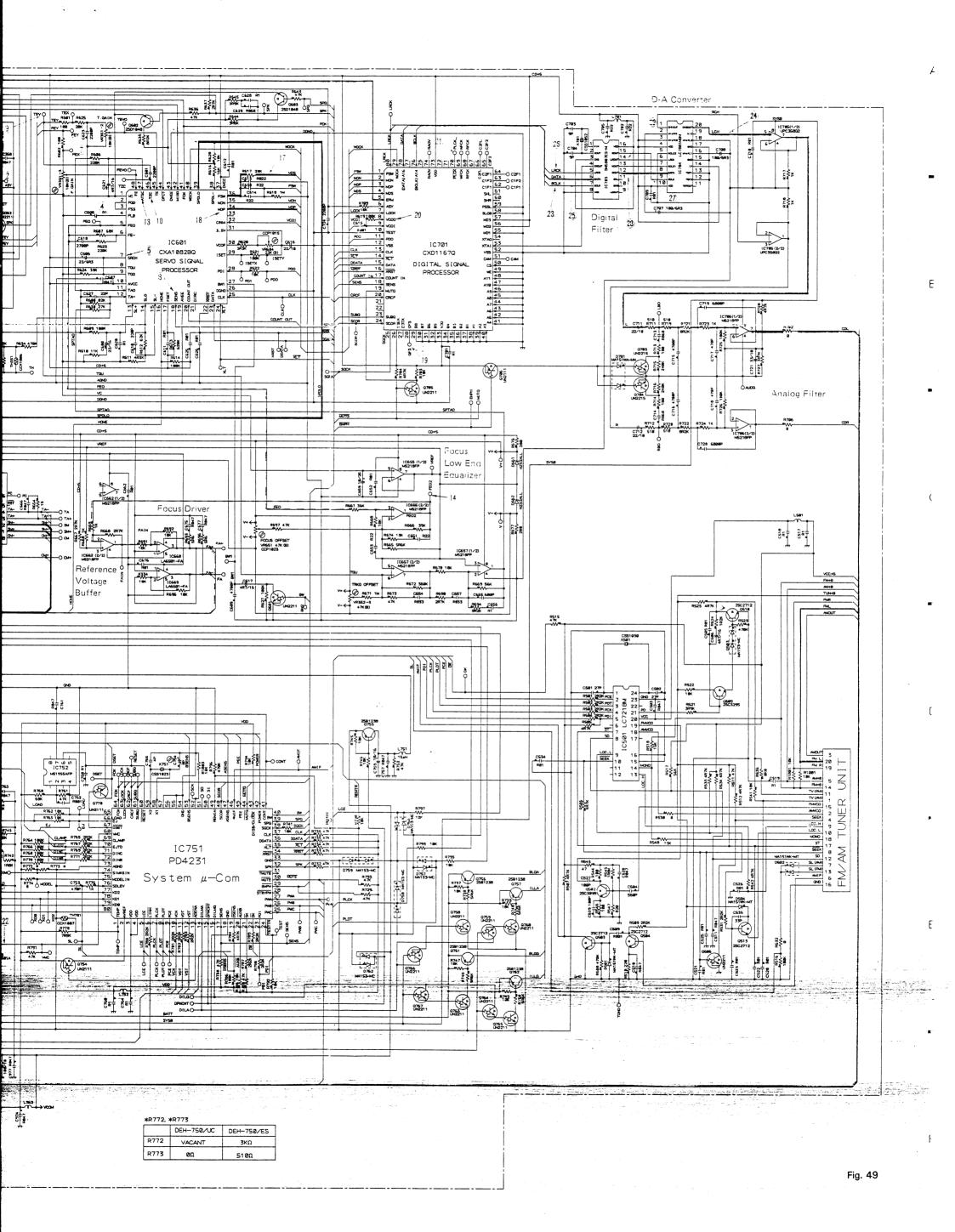


Fig. 47









DEH-750

В

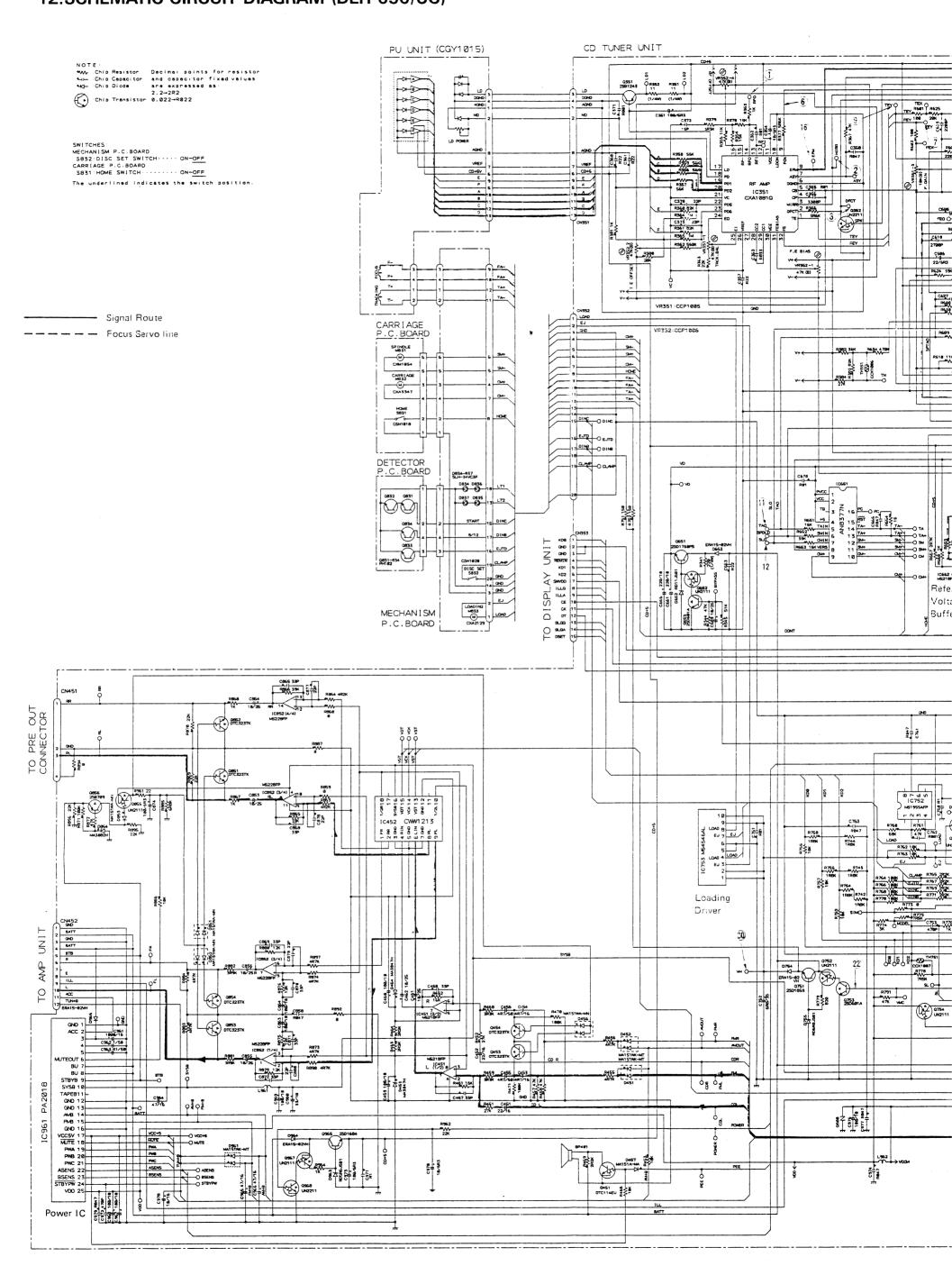
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12.SCHEMATIC CIRCUIT DIAGRAM (DEH-650/UC)



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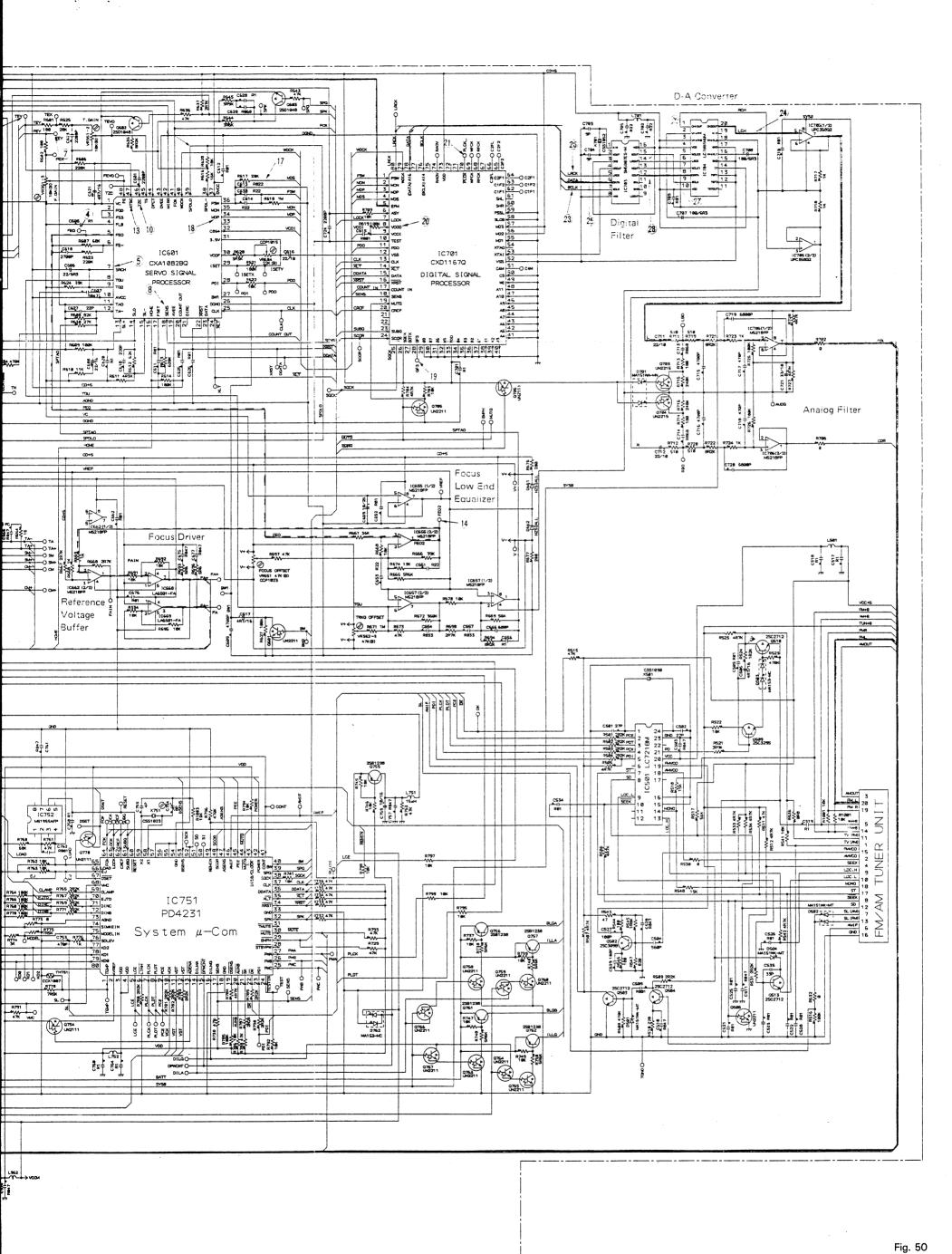
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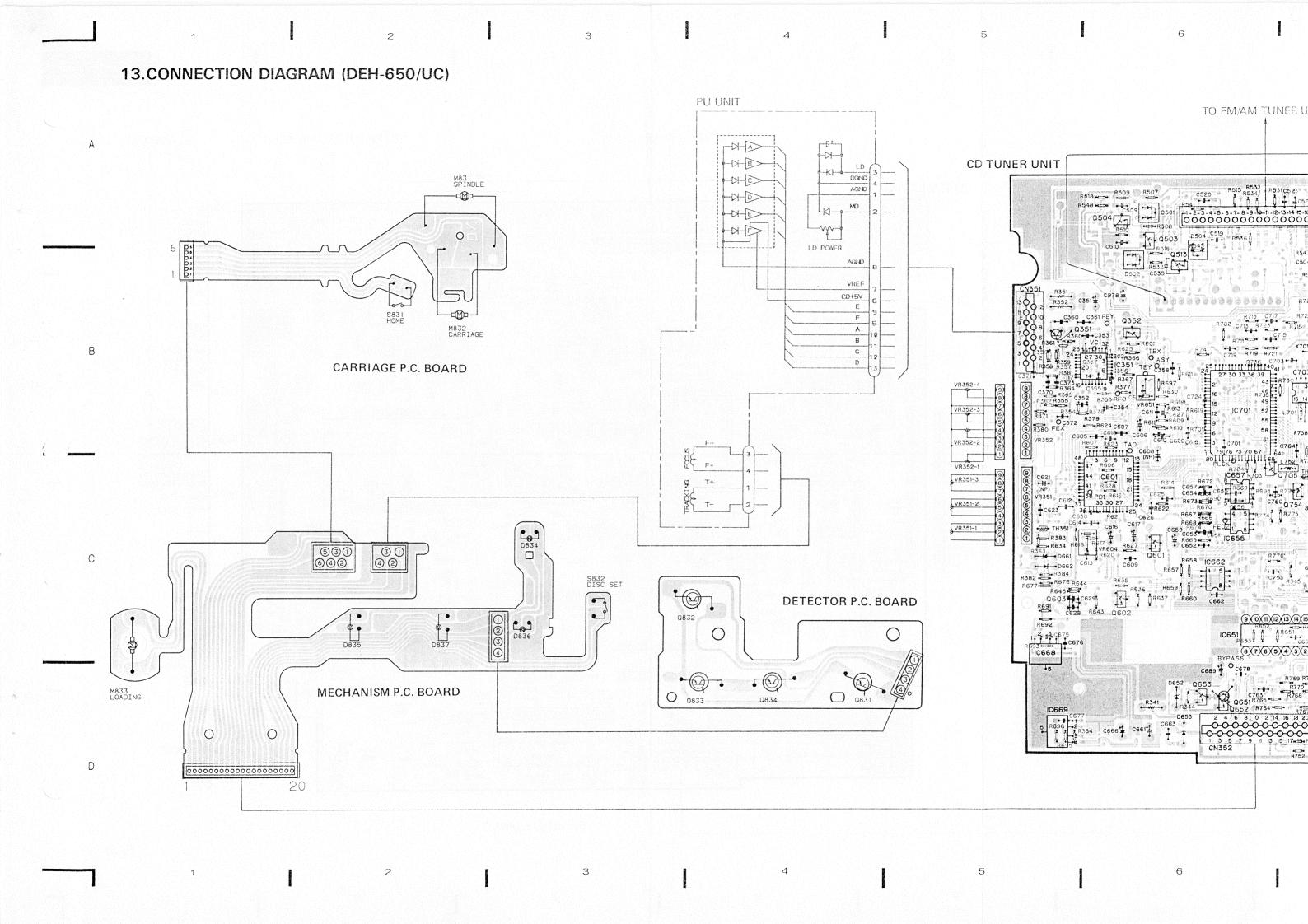
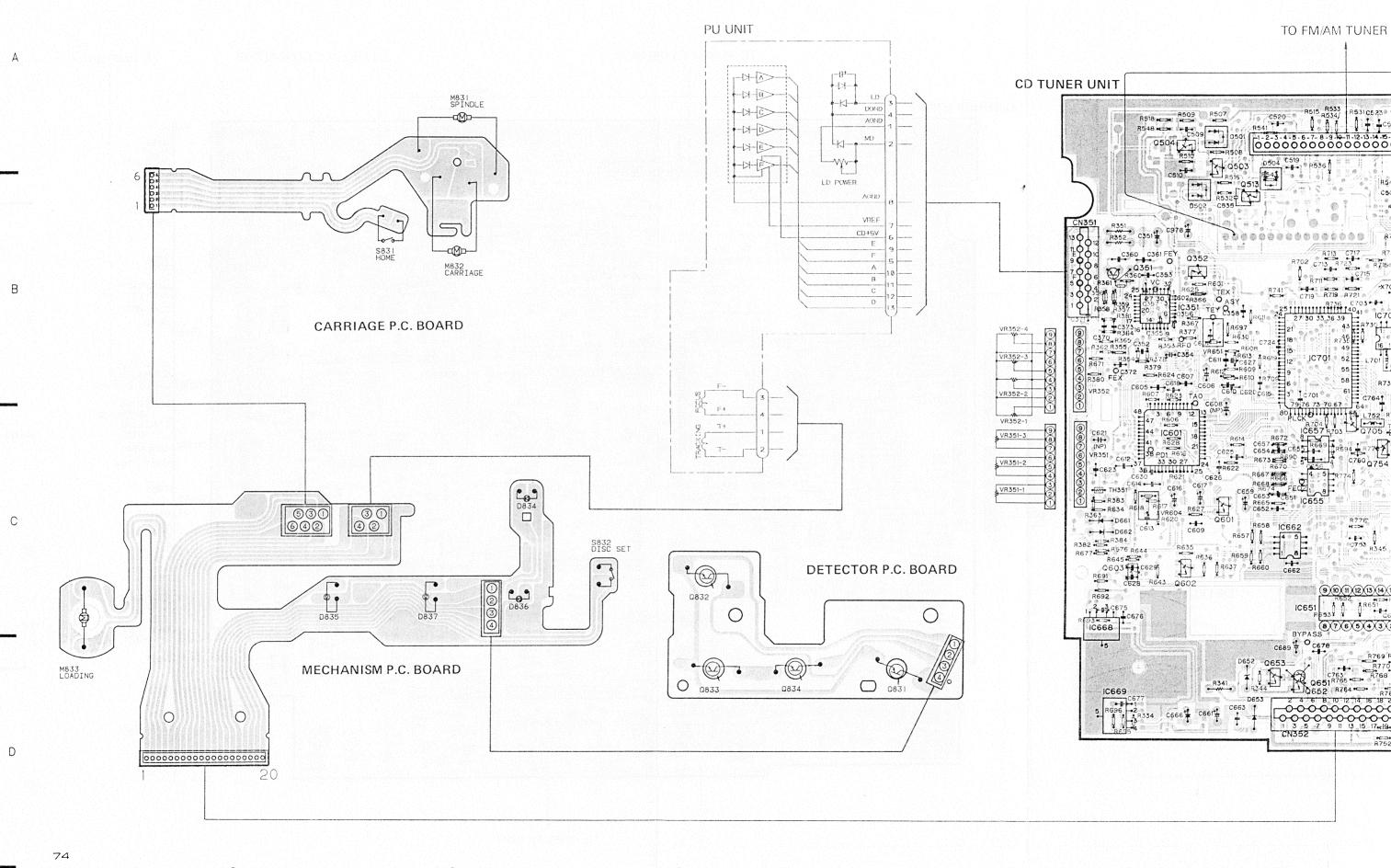


Fig. 51

14. CONNECTION DIAGRAM (DEH-620/US)



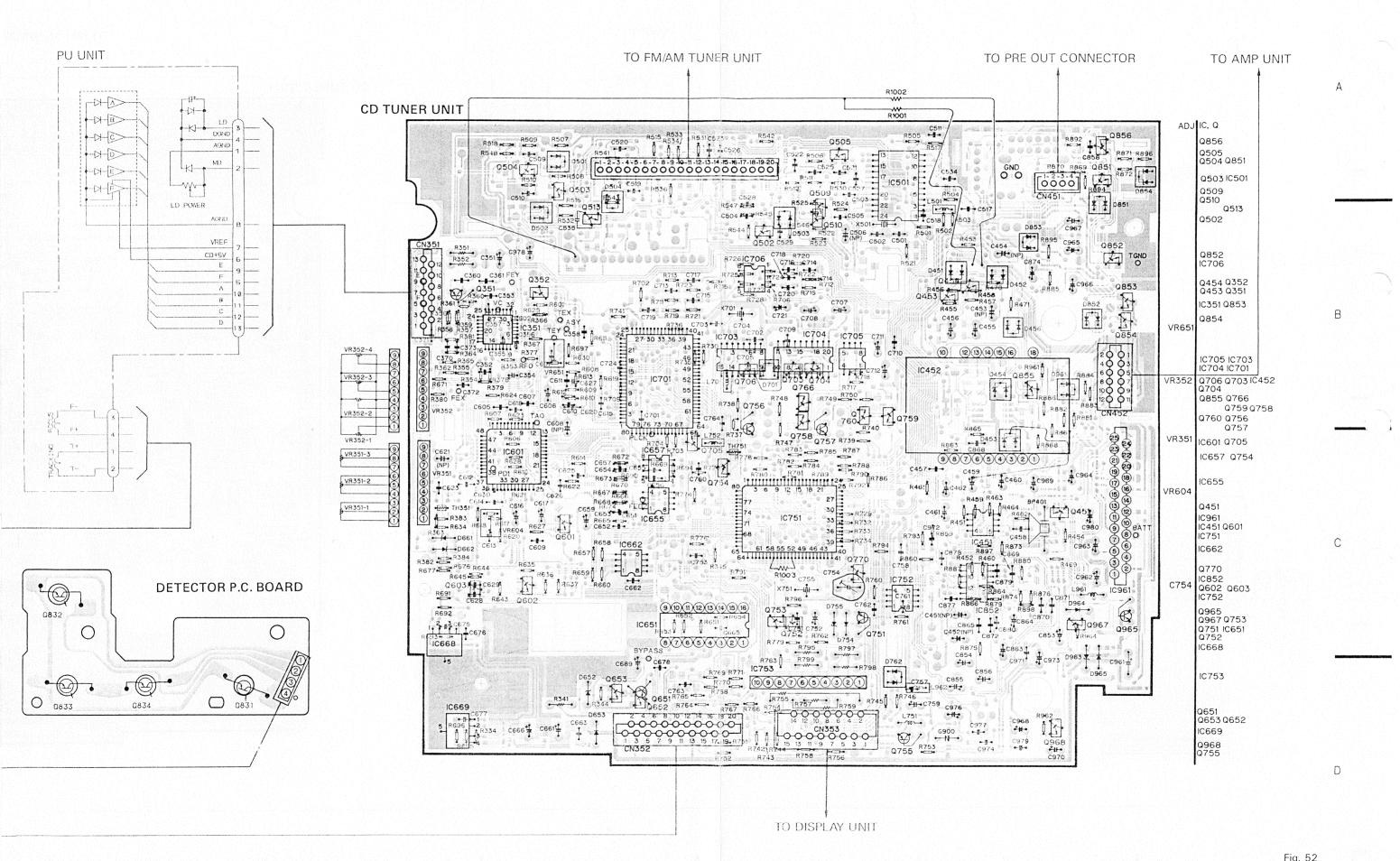
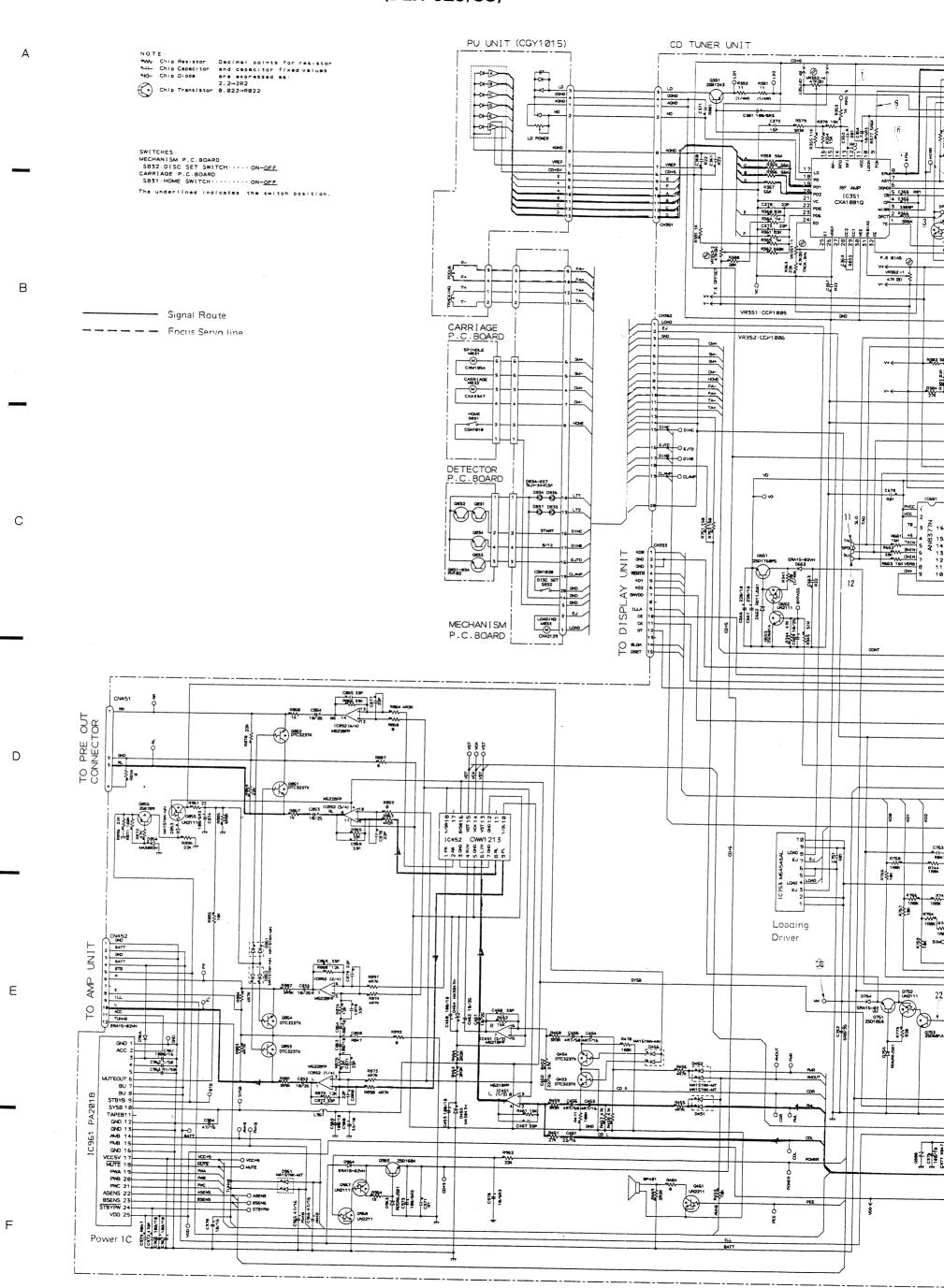
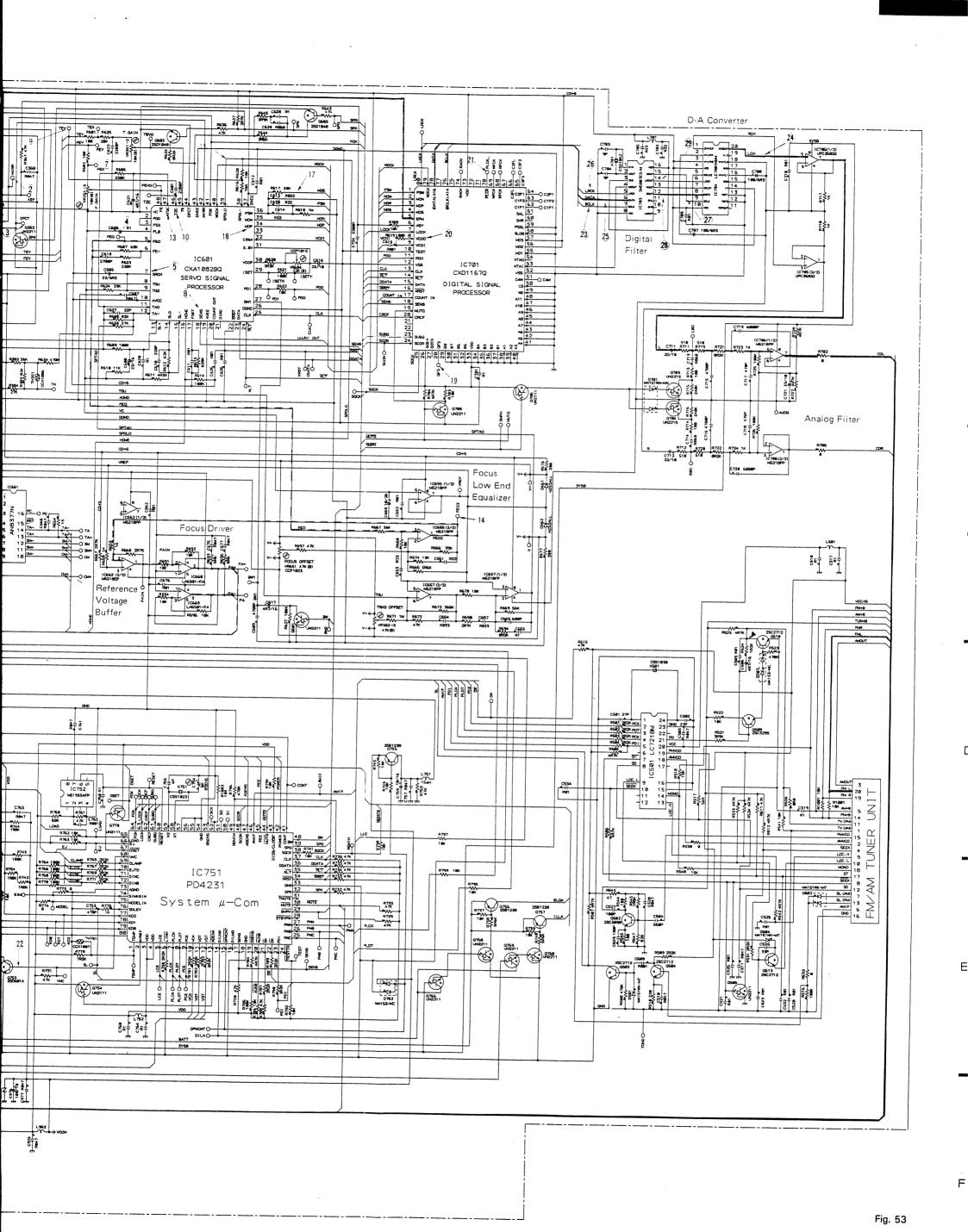


Fig. 52

15.SHCEMATIC CIRCUIT DIAGRAM (DEH-620/US)





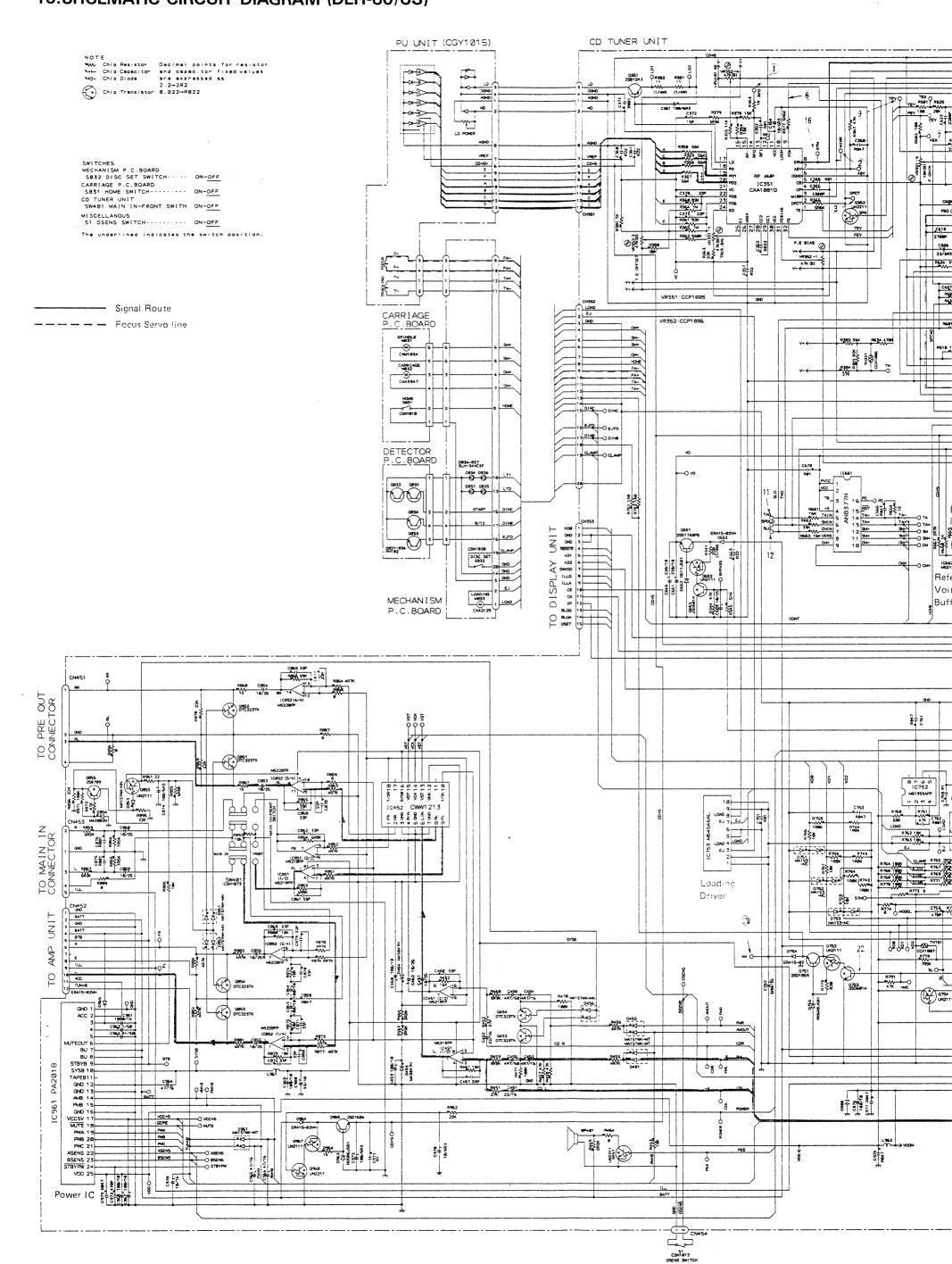
DEH-750

В

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16.SHCEMATIC CIRCUIT DIAGRAM (DEH-80/US)



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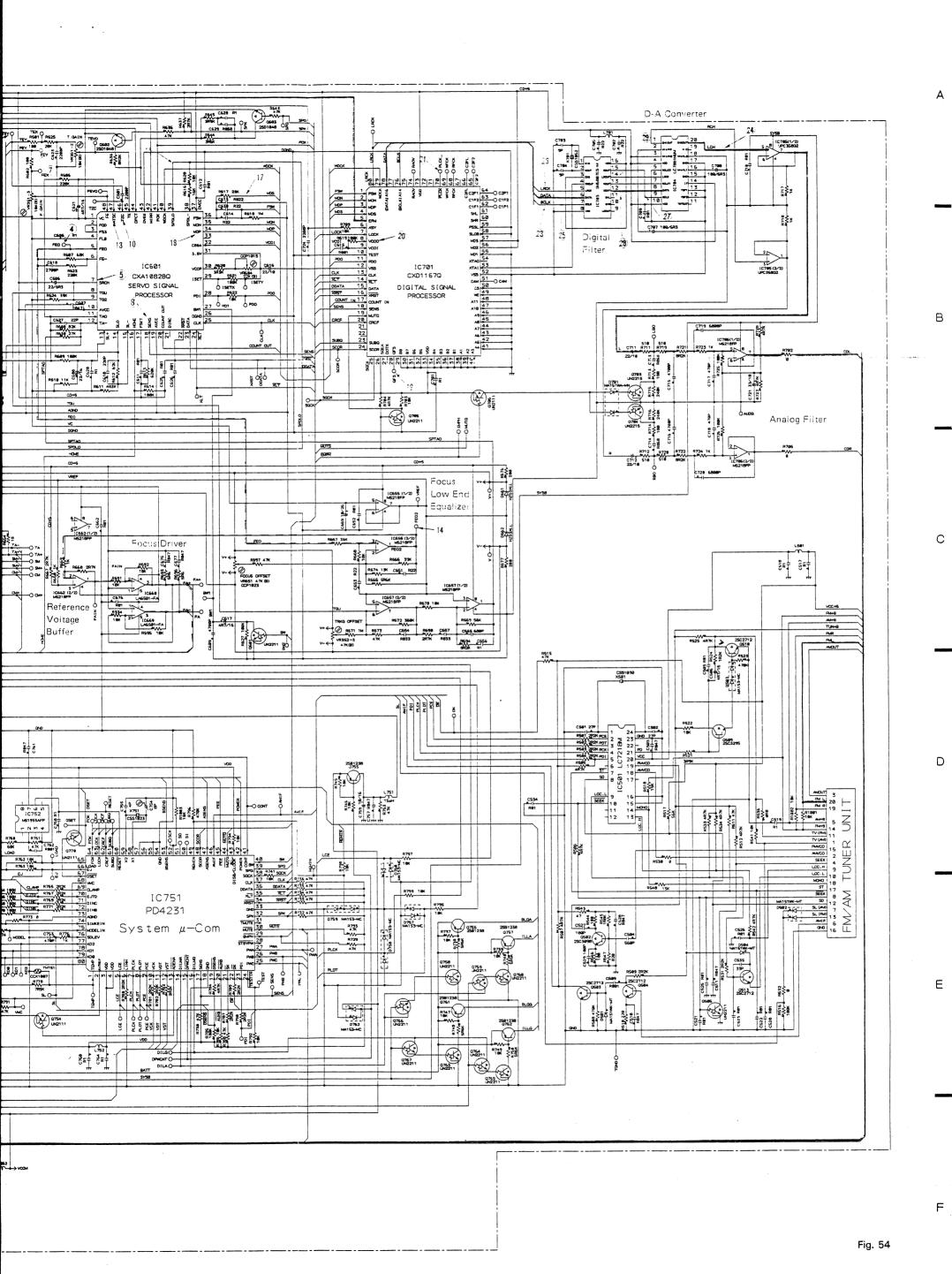
80

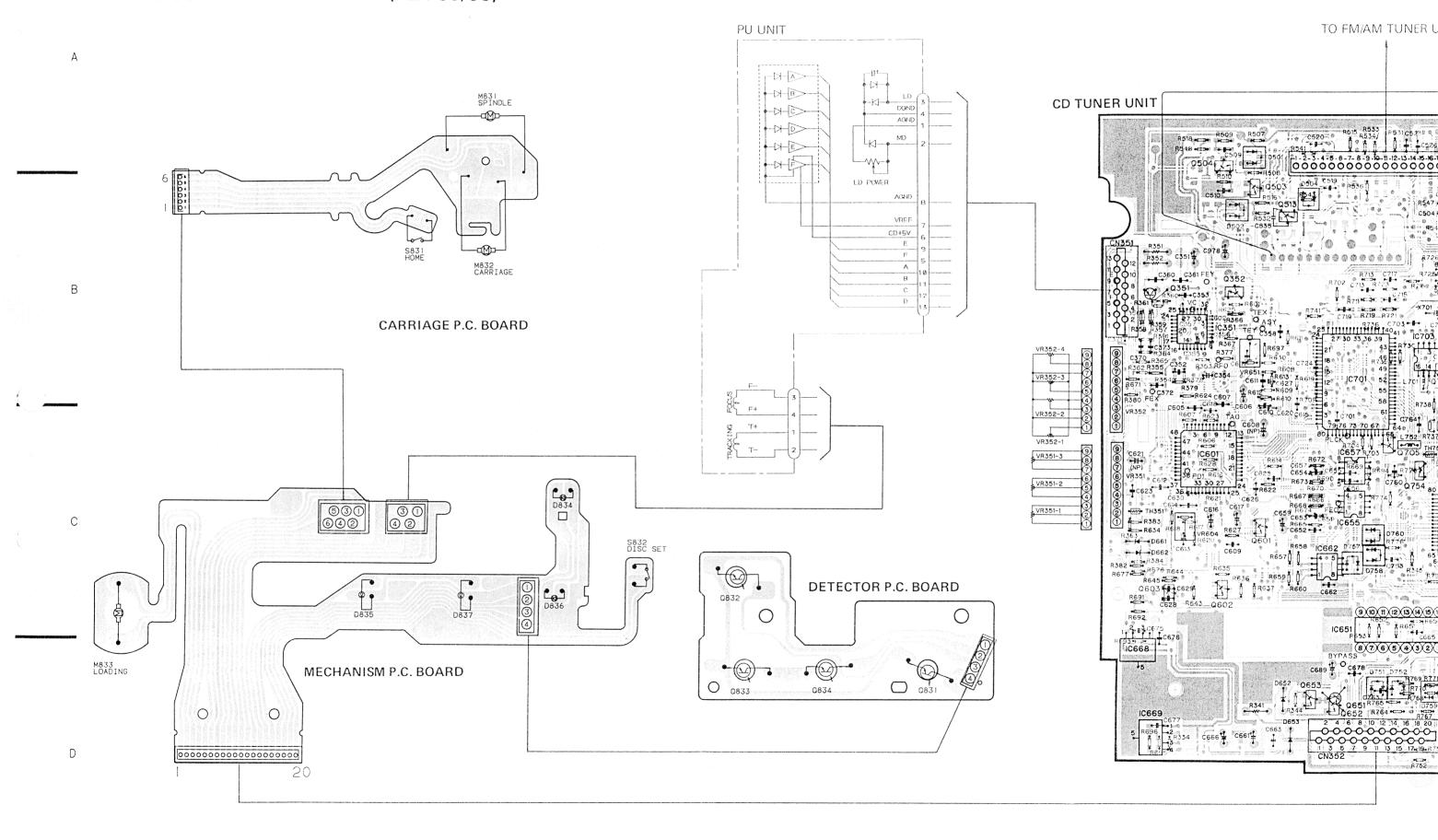
2

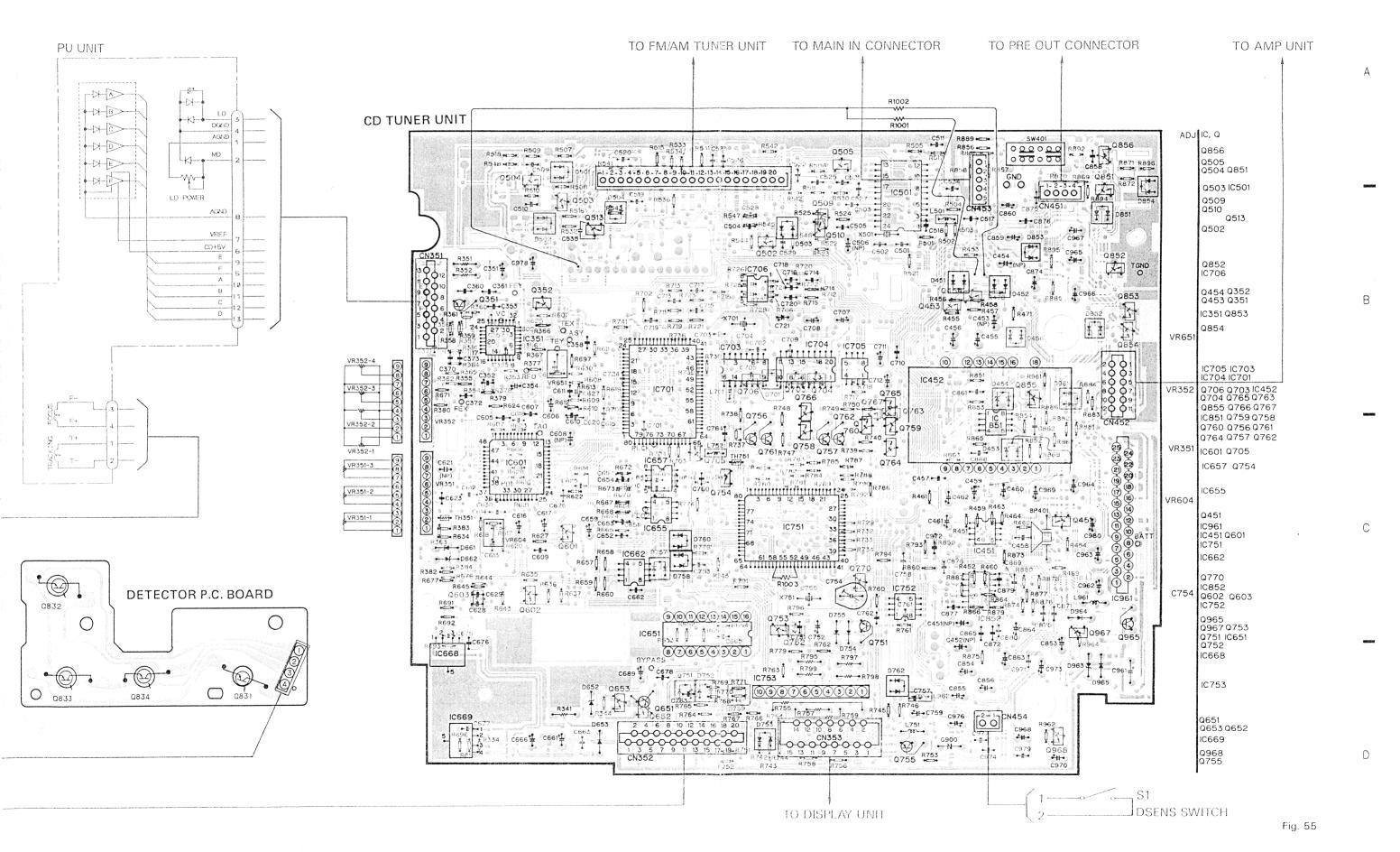
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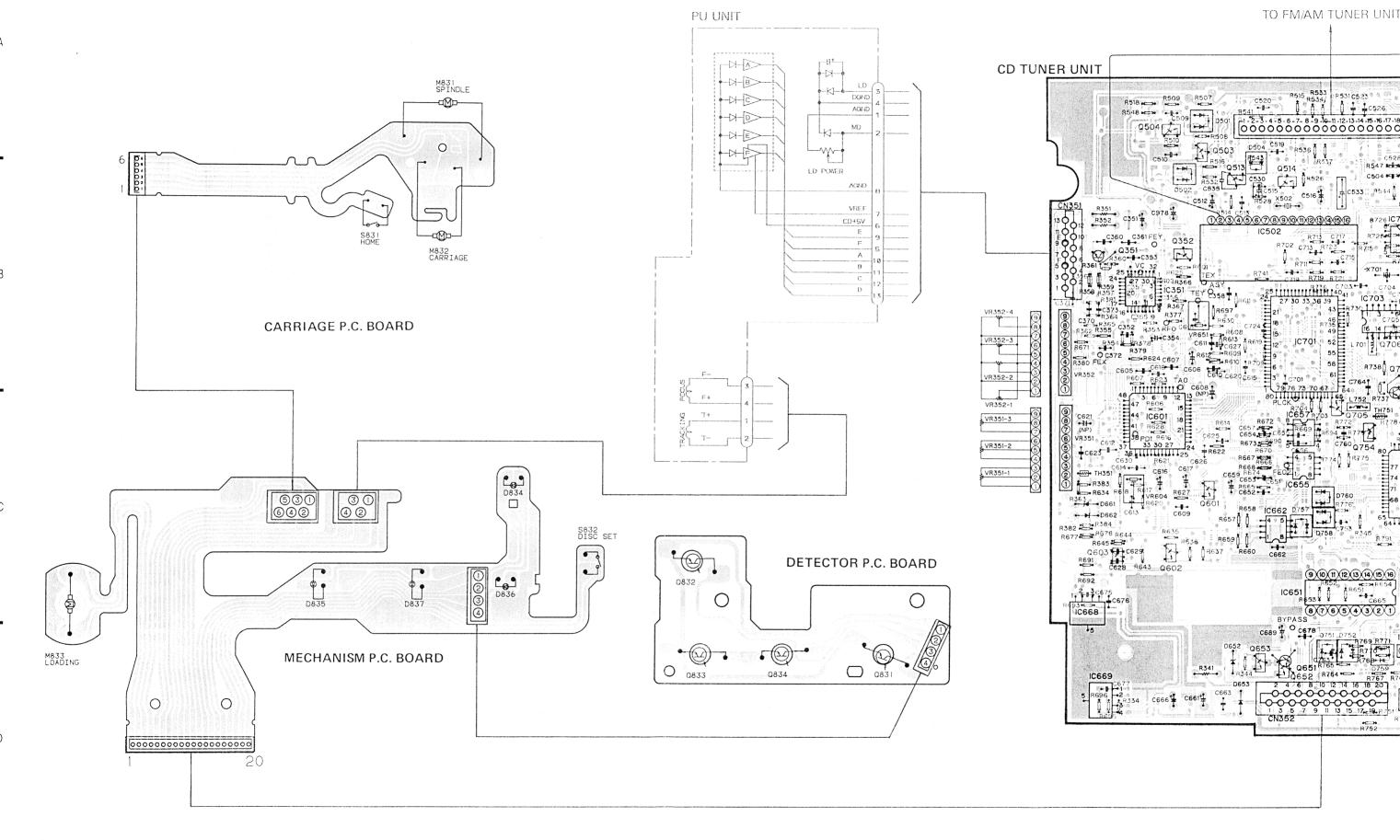
4







18.CONNECTION DIAGRAM (DEH-700SDK/WG)



PU UNIT TO FM/AM TUNER UNIT TO PRE OUT CONNECTOR TO AMP UNIT -A-KI CD TUNER UNIT · N-8> ADJ IC. Q | C512 | C513 | C515 | C516 | C526 | C526 | C527 | C517 | C501 | C517 | C502 | C518 | C518 | C518 | C504 | C504 | C505 | C518 | C517 | C502 | C518 | 0856 AGND 0505 Q504 Q851 GND R86-9 Q851 R872 R872 CN451 R893 D854 Q503 IC501 0509 LD POWER Q514 Q513 Q502 R351 R352 c351 c978 C874 (NP) C874 0852 CD+5V R726 C / U0 C R728 R728 R728 R712 C R700 R713 R720 R712 C R701 : C R701 IC706 Q508 IC502 Q454 Q352 0853 IC351 Q853 Q854 VR651 IC705 IC703 IC704 IC701 VR352 Q706 Q703 IC452 Q704 Q765 Q763 Q855 Q766 Q767 0759 0758 VR352-2 Q760 Q756 Q761 Q455 VR352-1 0455 R865 0453 T X R863 C868 0764 0757 0762 VR351 IC601 Q705 VR351-3 IC657 Q754 VR351-2 IC655 VR604 VR351-1 0451 IC451 Q601 IC662 2 → R384 7 → R676 R644 R635 R645 → R645 R659 R659 R660 R691 R691 R643 R660 R677 = P676 R644 R645 = R645 Q770 IC852 Q602 Q603 DETECTOR P.C. BOARD Q965 0832 Q967 Q753 Q751 IC651 2 3 C675 IC668 10668 IC753 0831 Q651 Q653 Q652 R696 -2 1,8334 C666 C661 C661 10669 0968 0755 D DSENS SWITCH Fig. 56 TO DISPLAY UNIT

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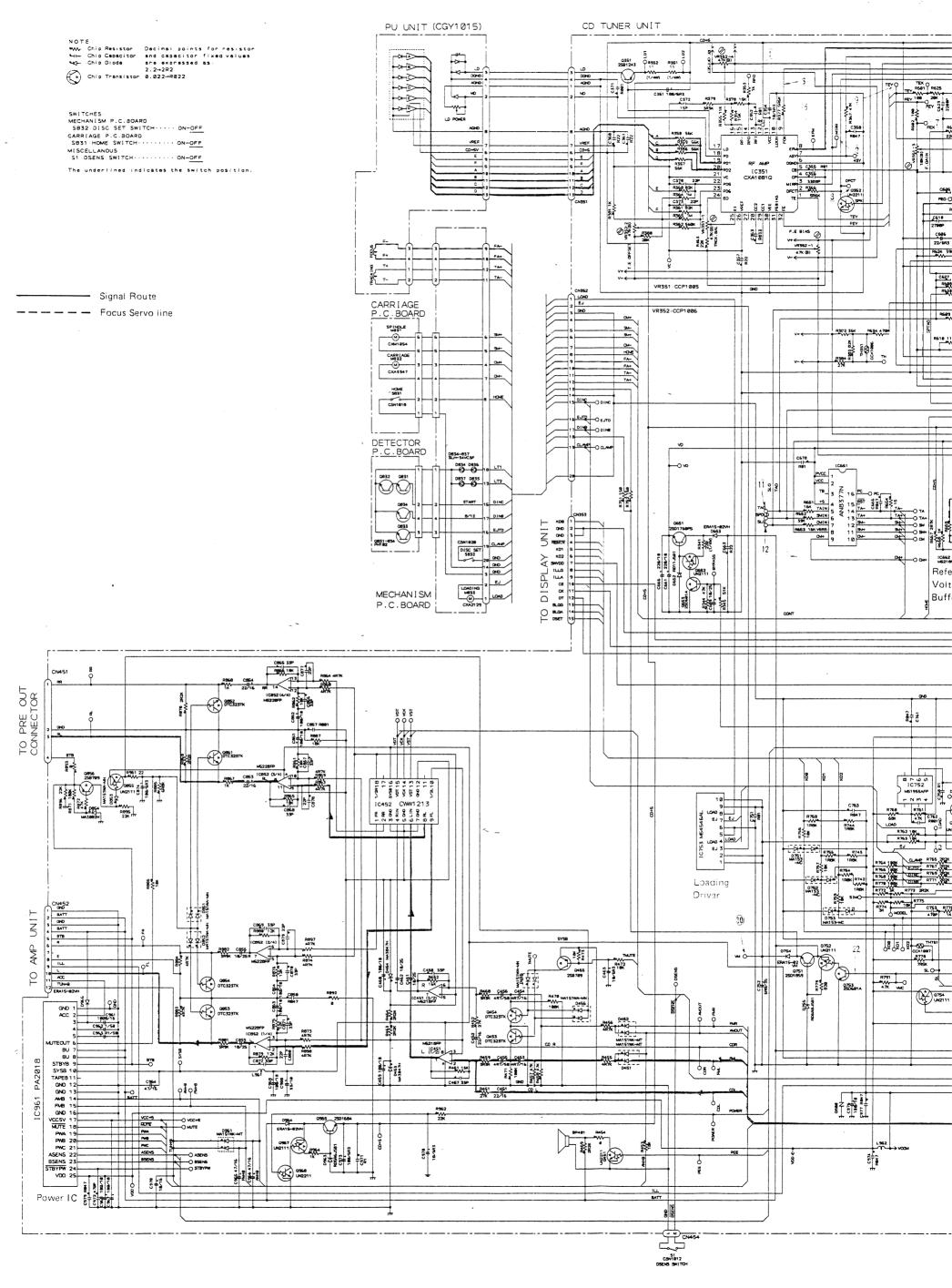
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19.SCHEMATIC CIRCUIT DIAGRAM (DEH-700SDK/WG)

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В



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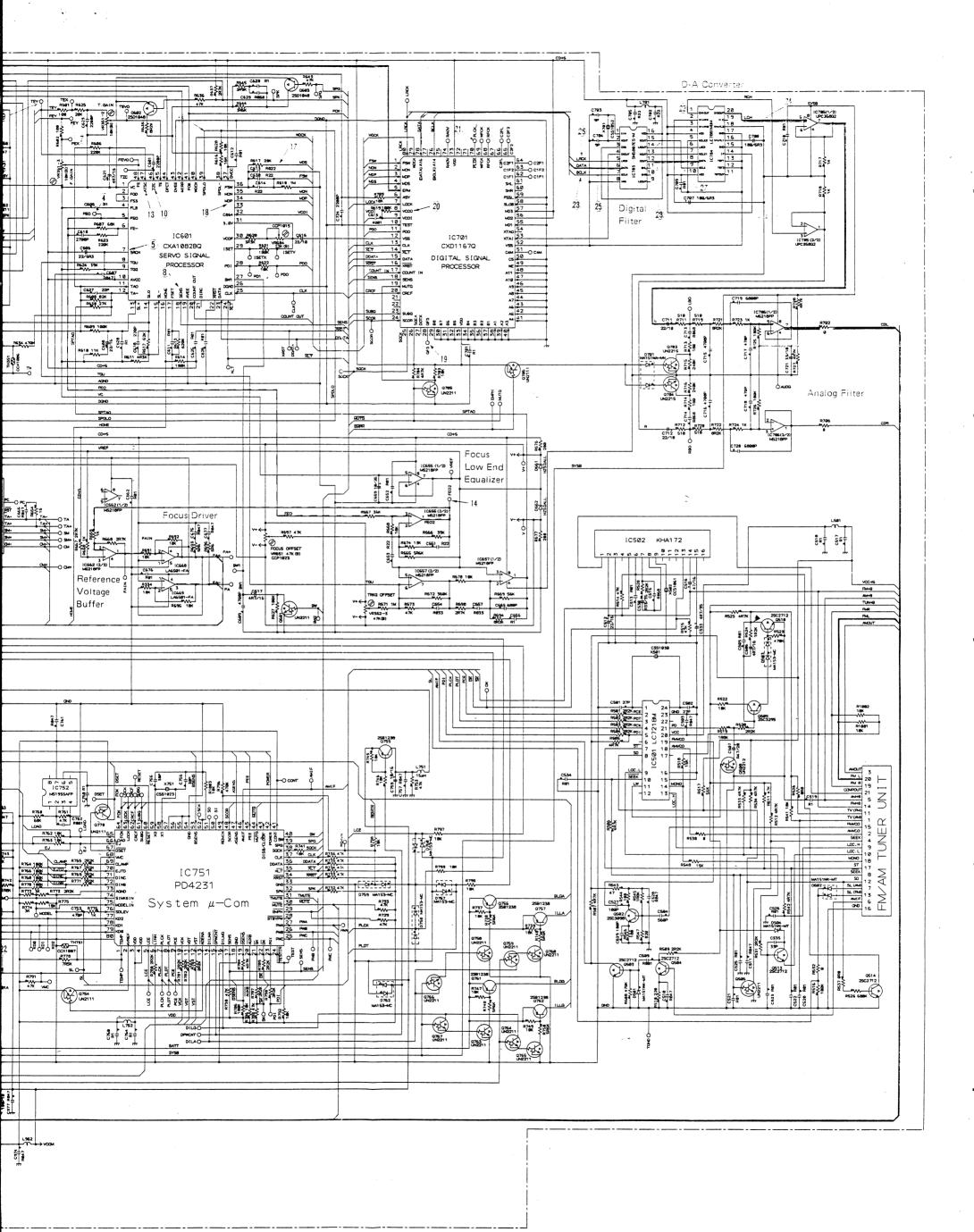
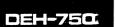


Fig. 57



В

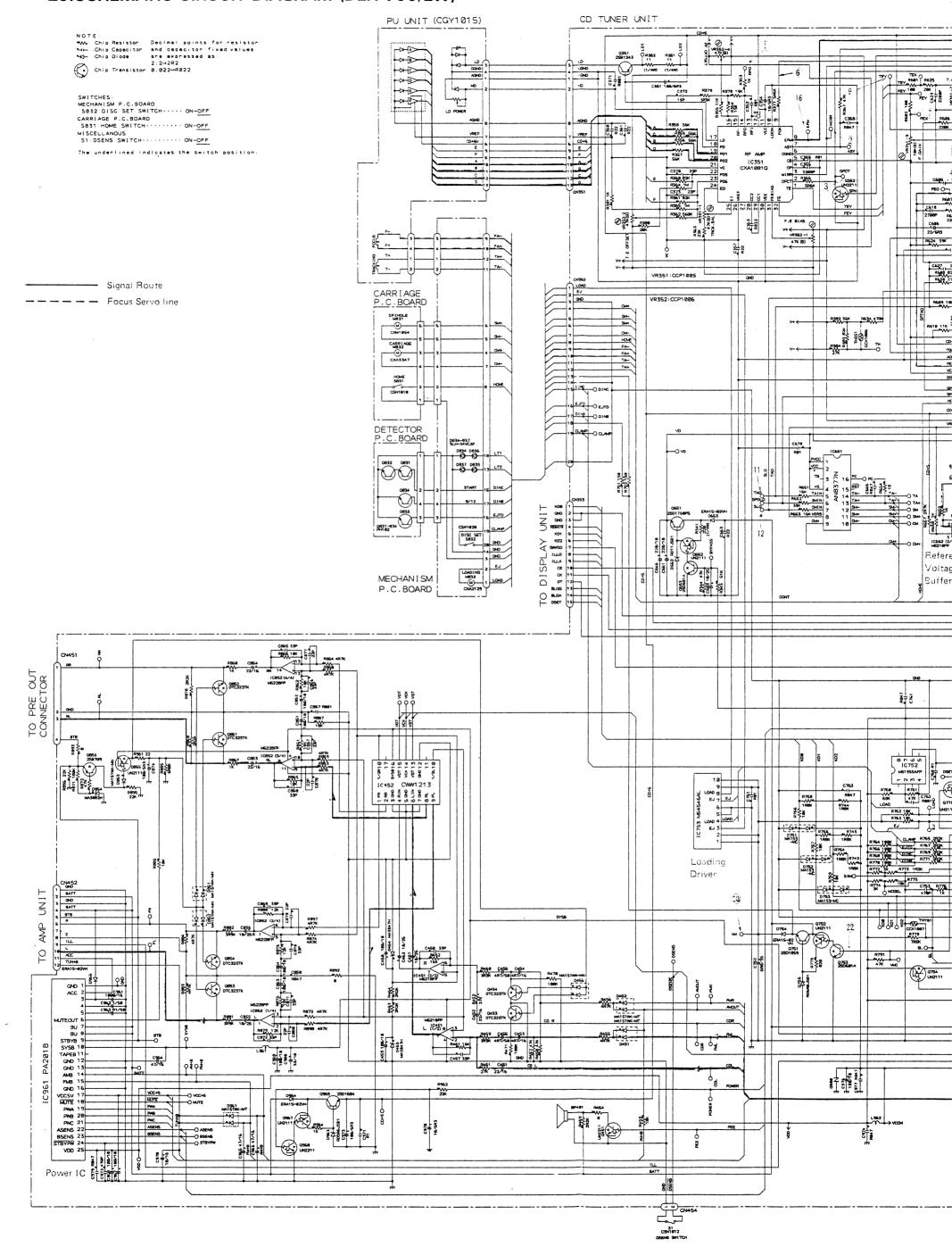
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20.SCHEMATIC CIRCUIT DIAGRAM (DEH-700/EW)



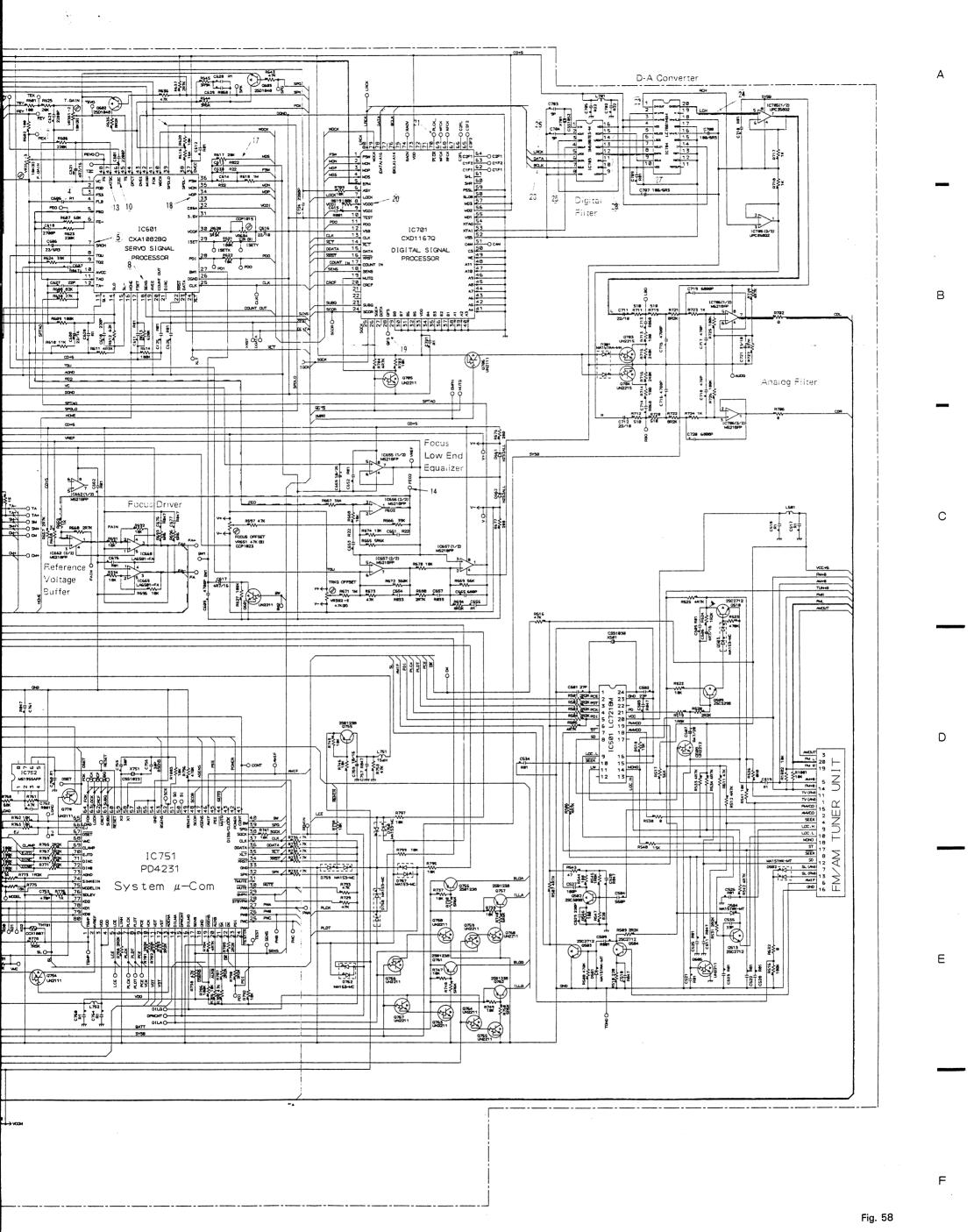
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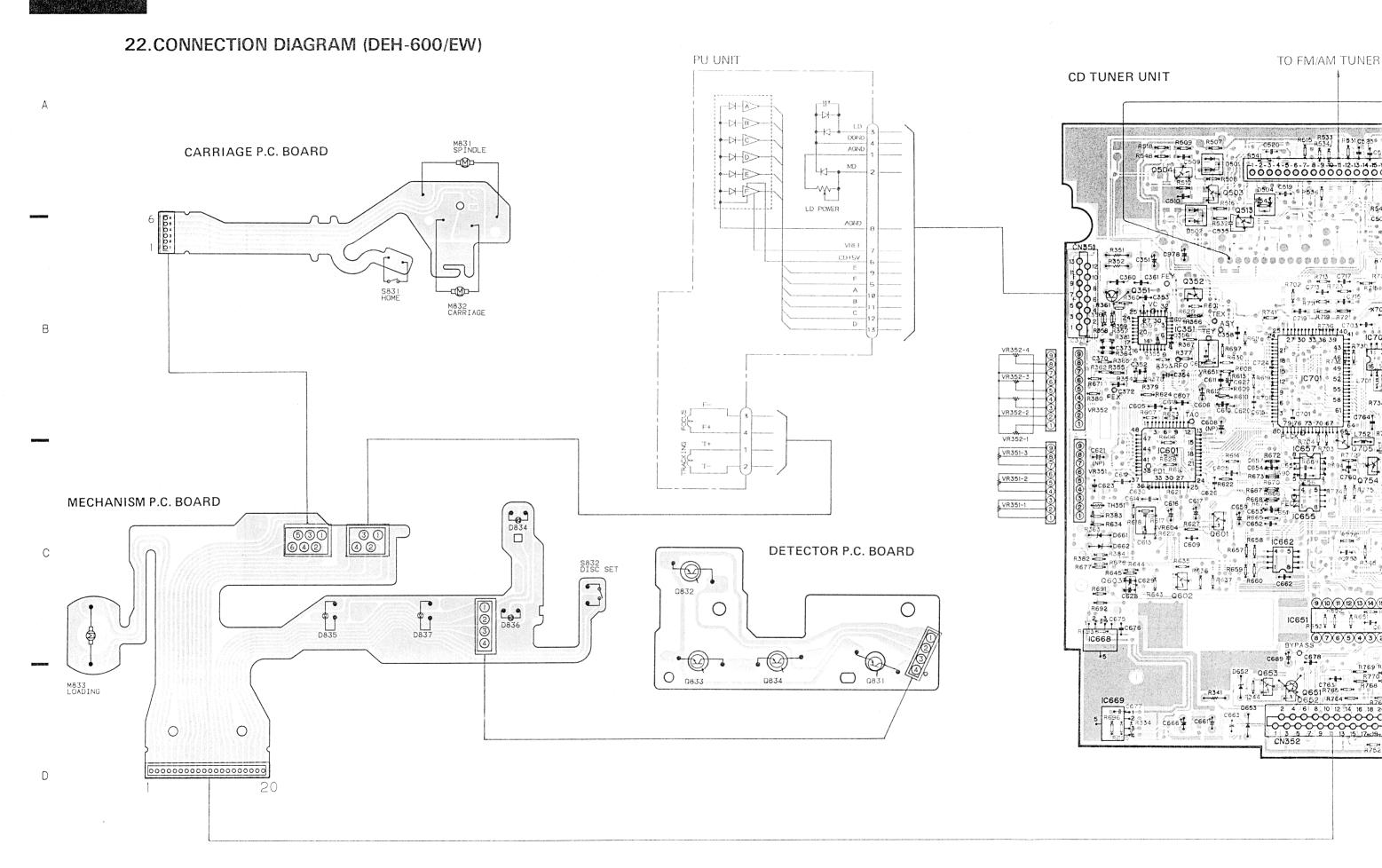
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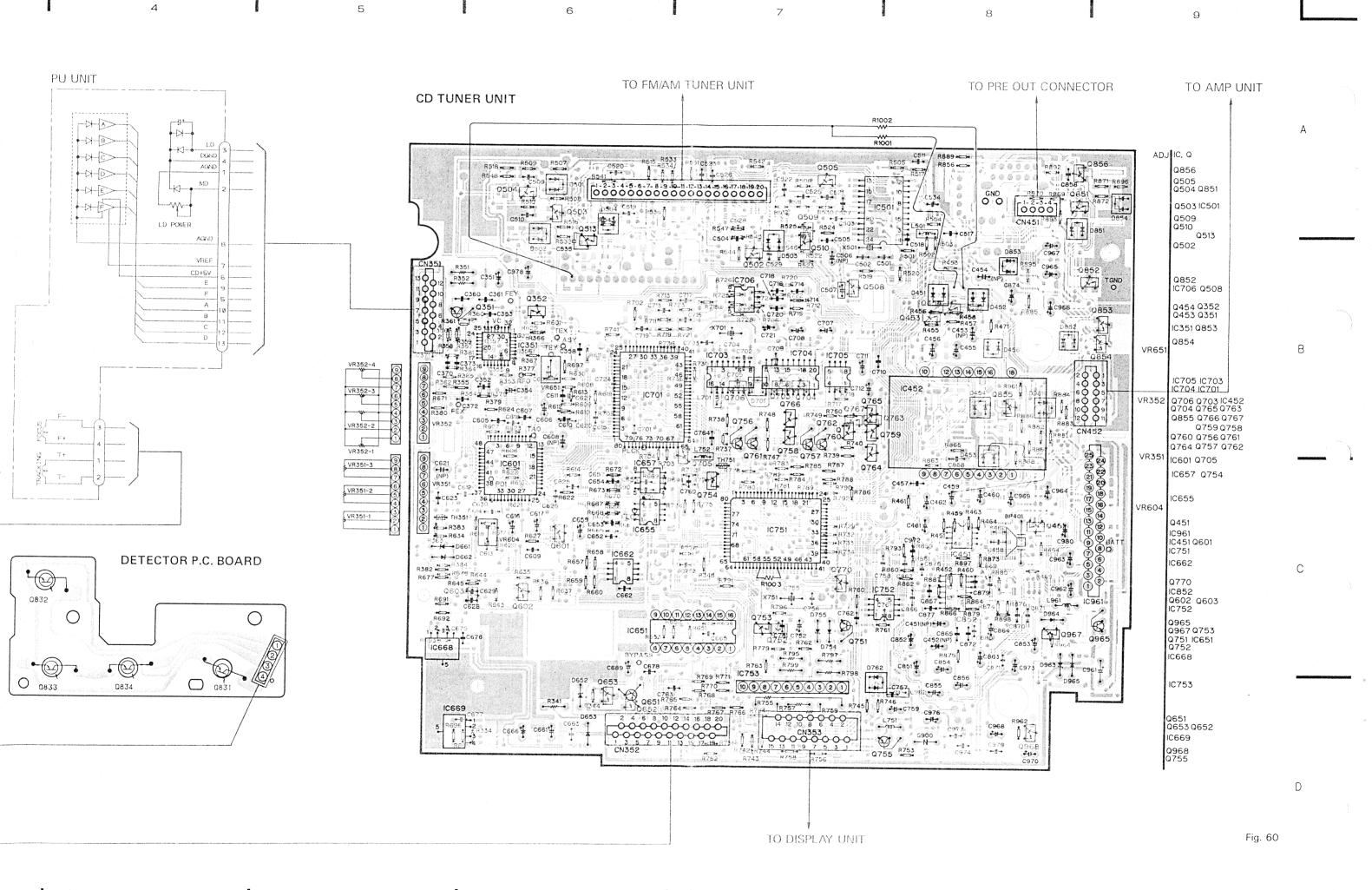
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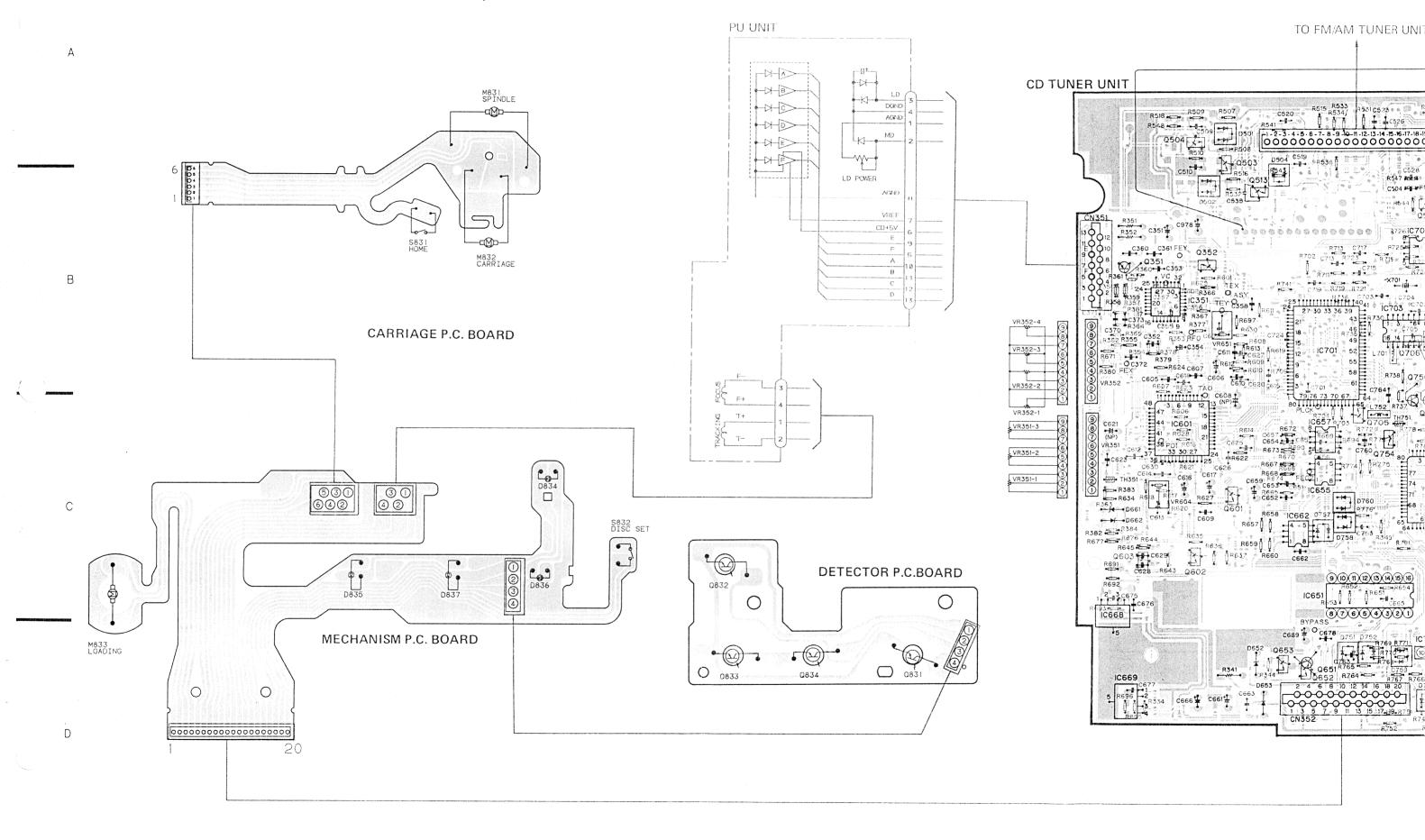






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23.SCHEMATIC CIRCUIT DIAGRAM (DEH-600/EW)

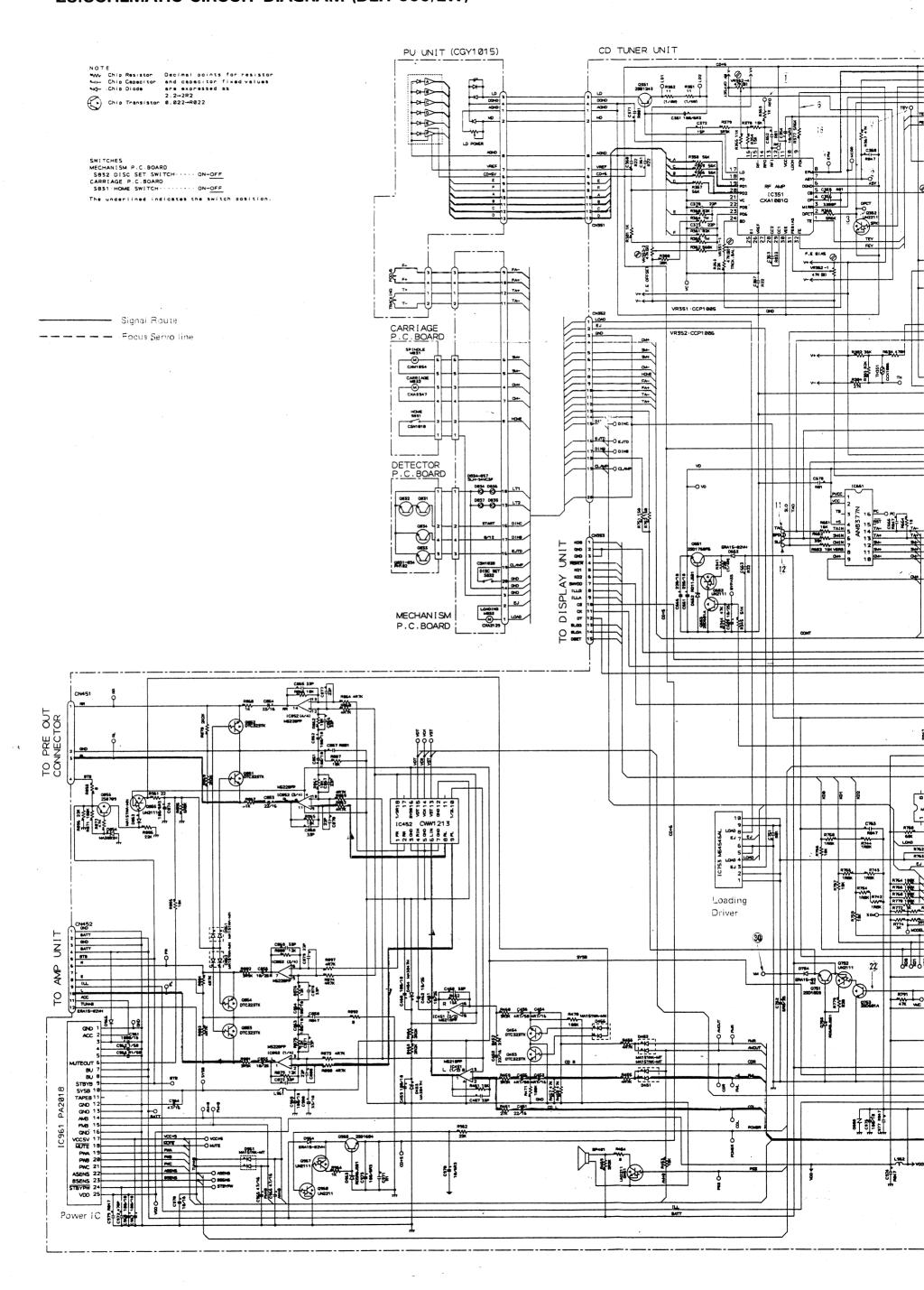
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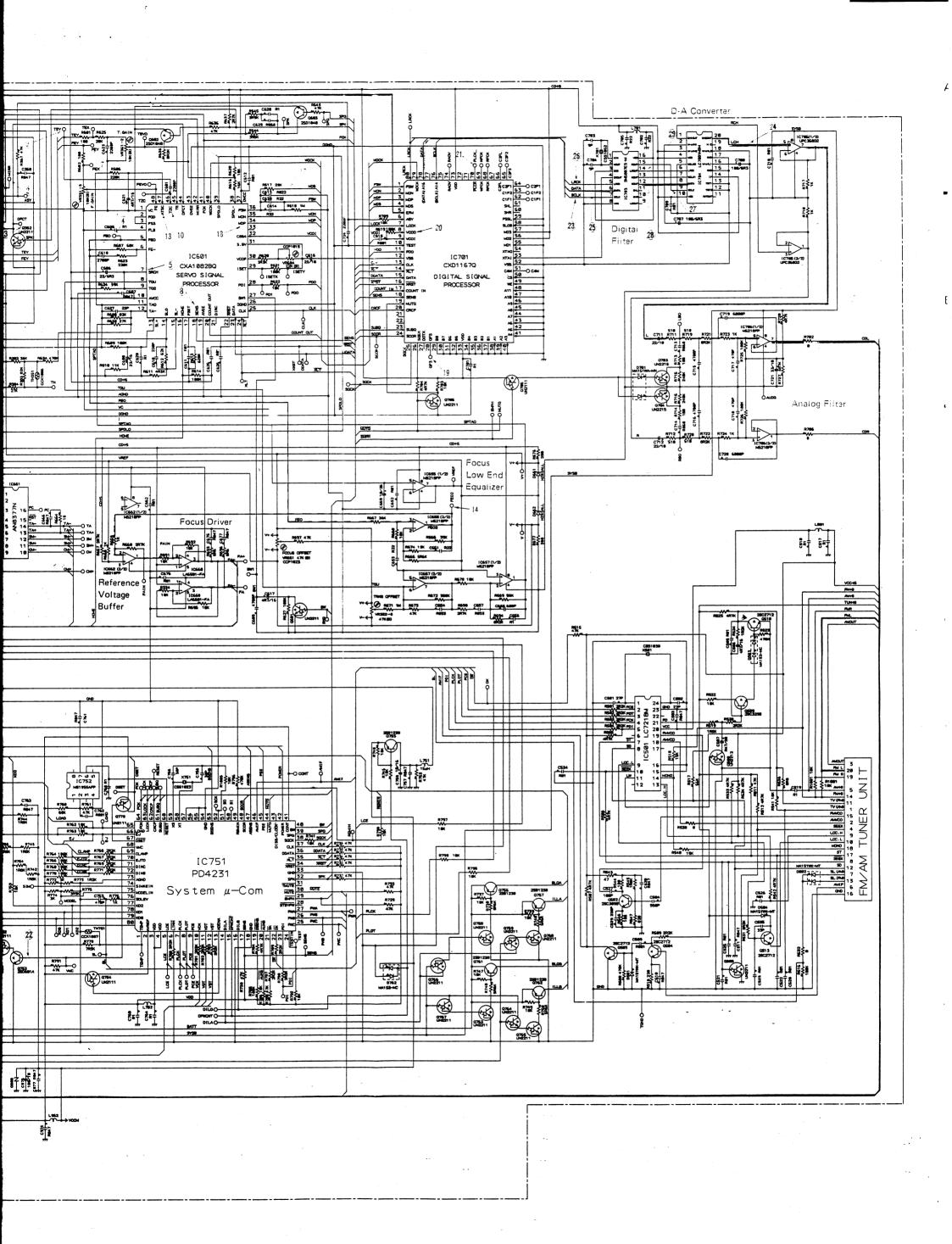
В

С

D

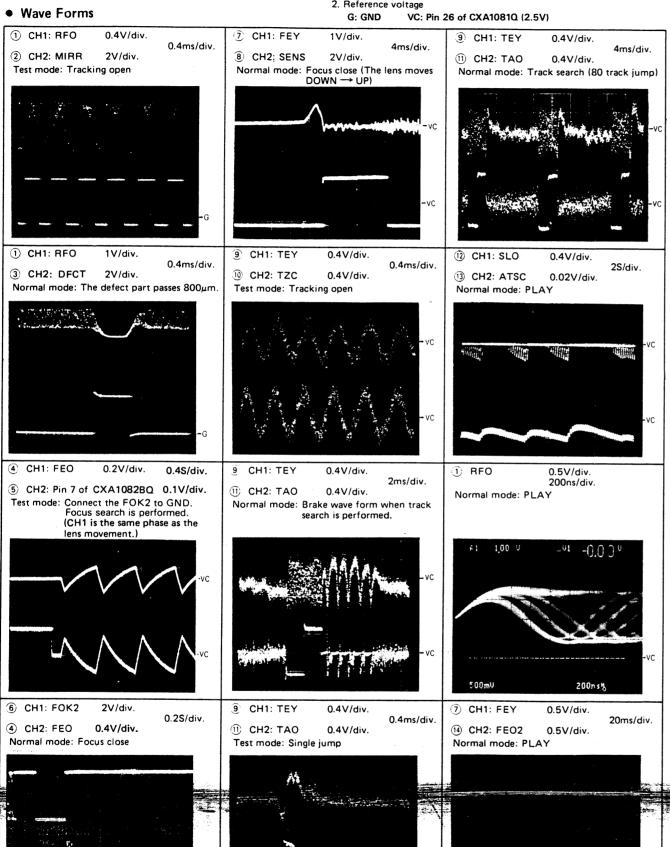
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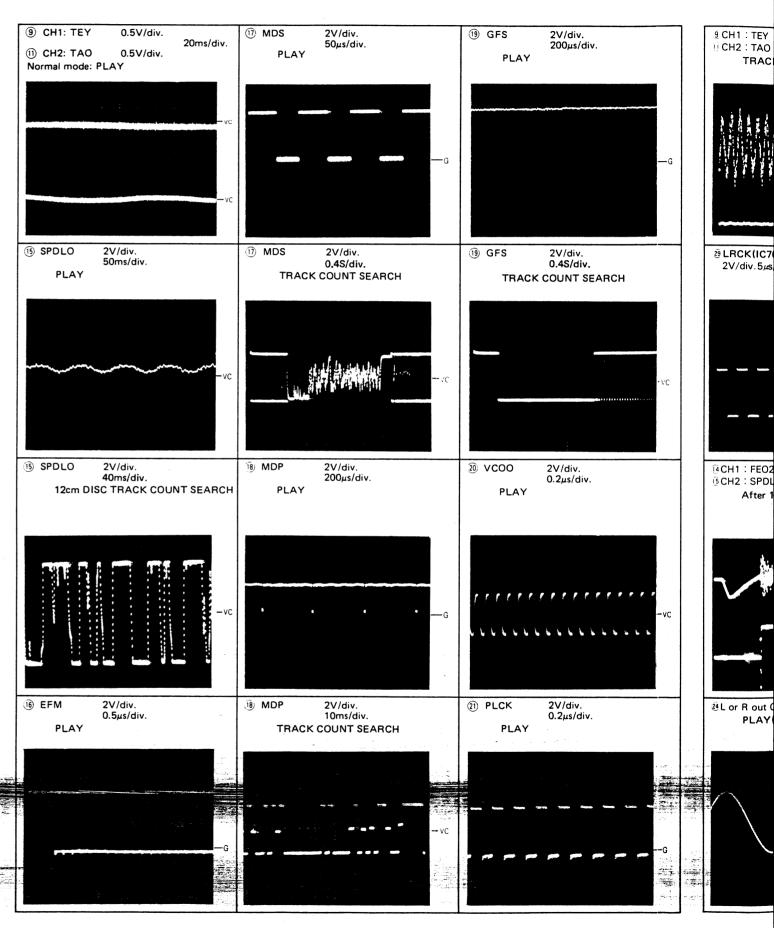




Note: 1. The encircled numbers denote measuring points in the circuit diagram.

2. Reference voltage

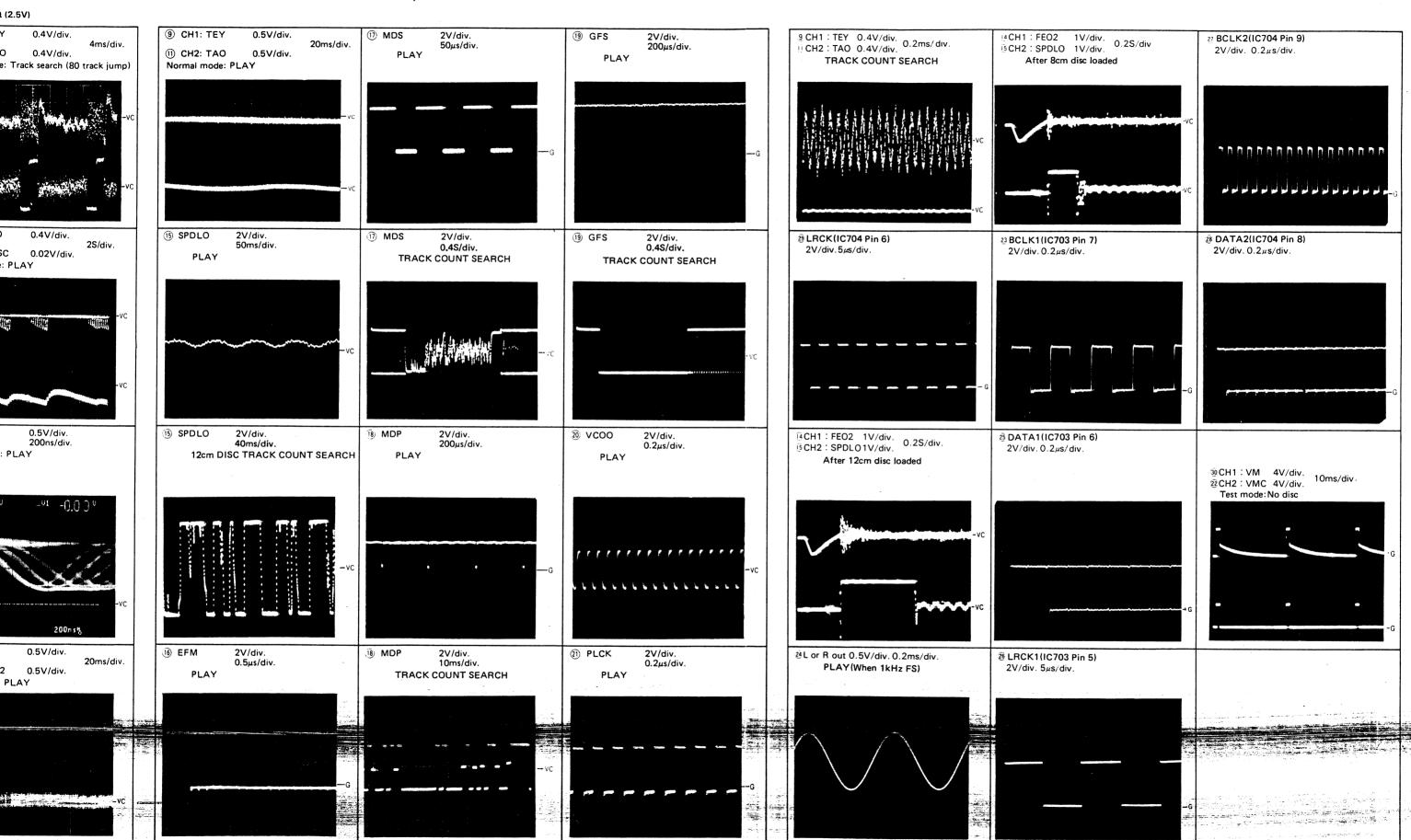




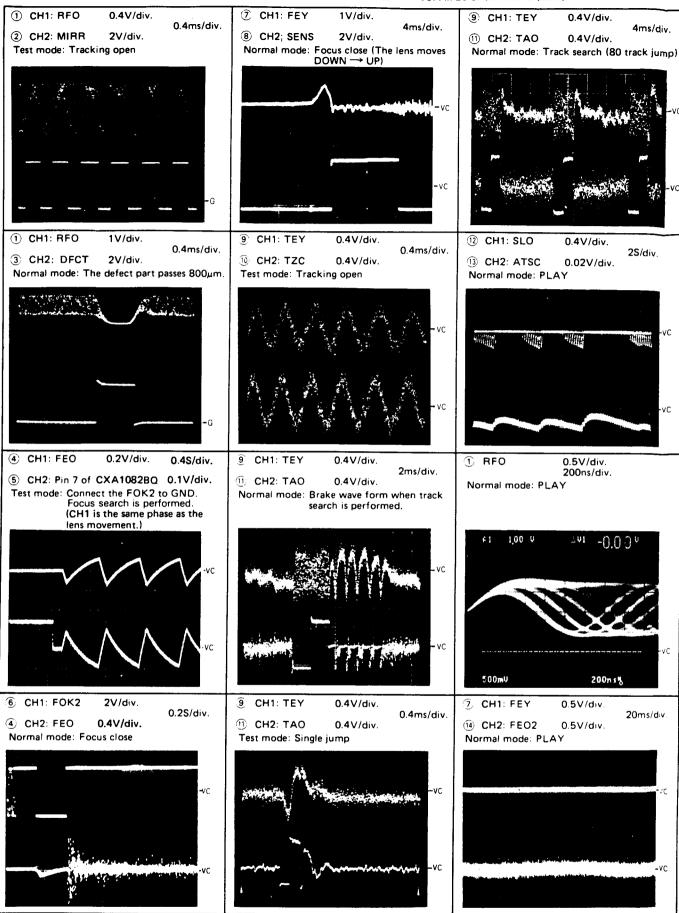
TRAC

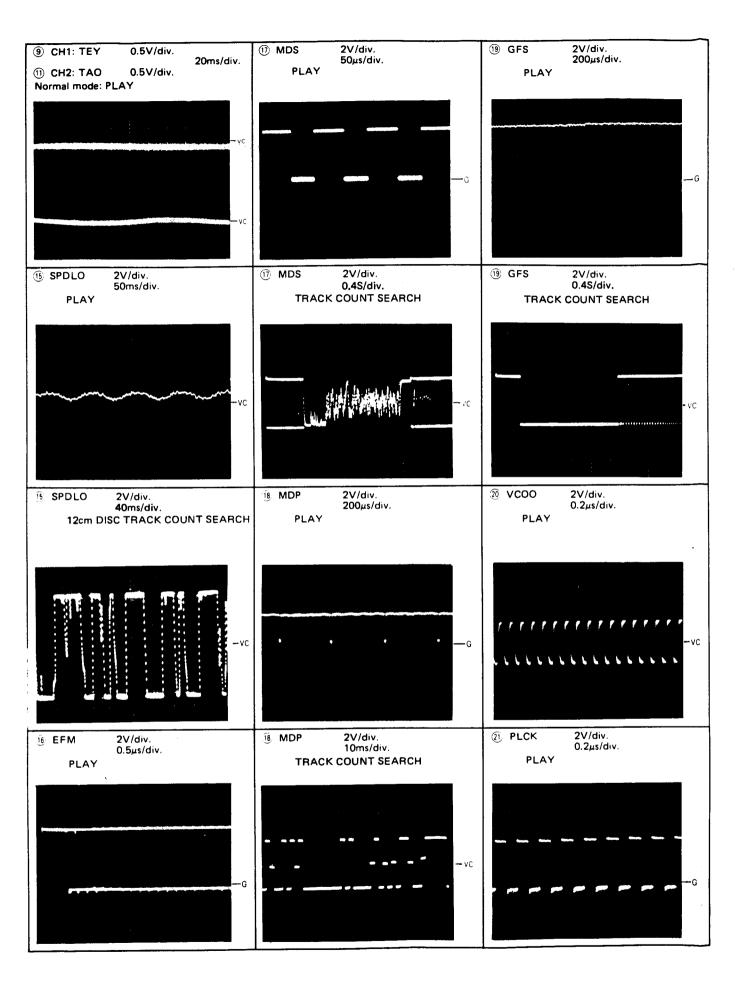
After 1

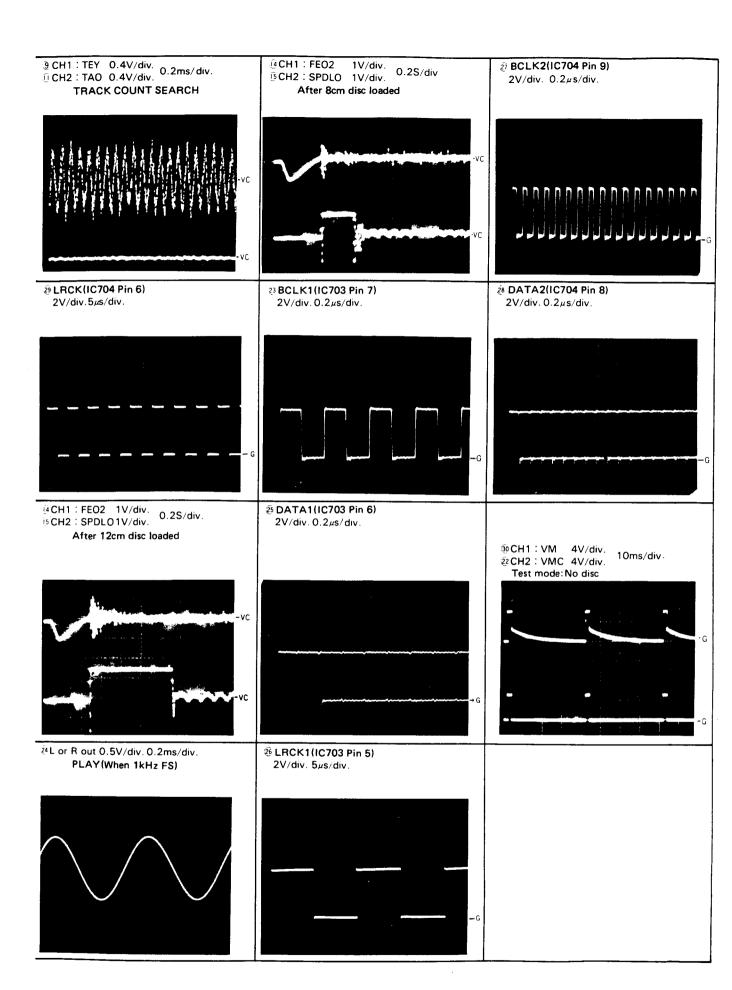
PLAY

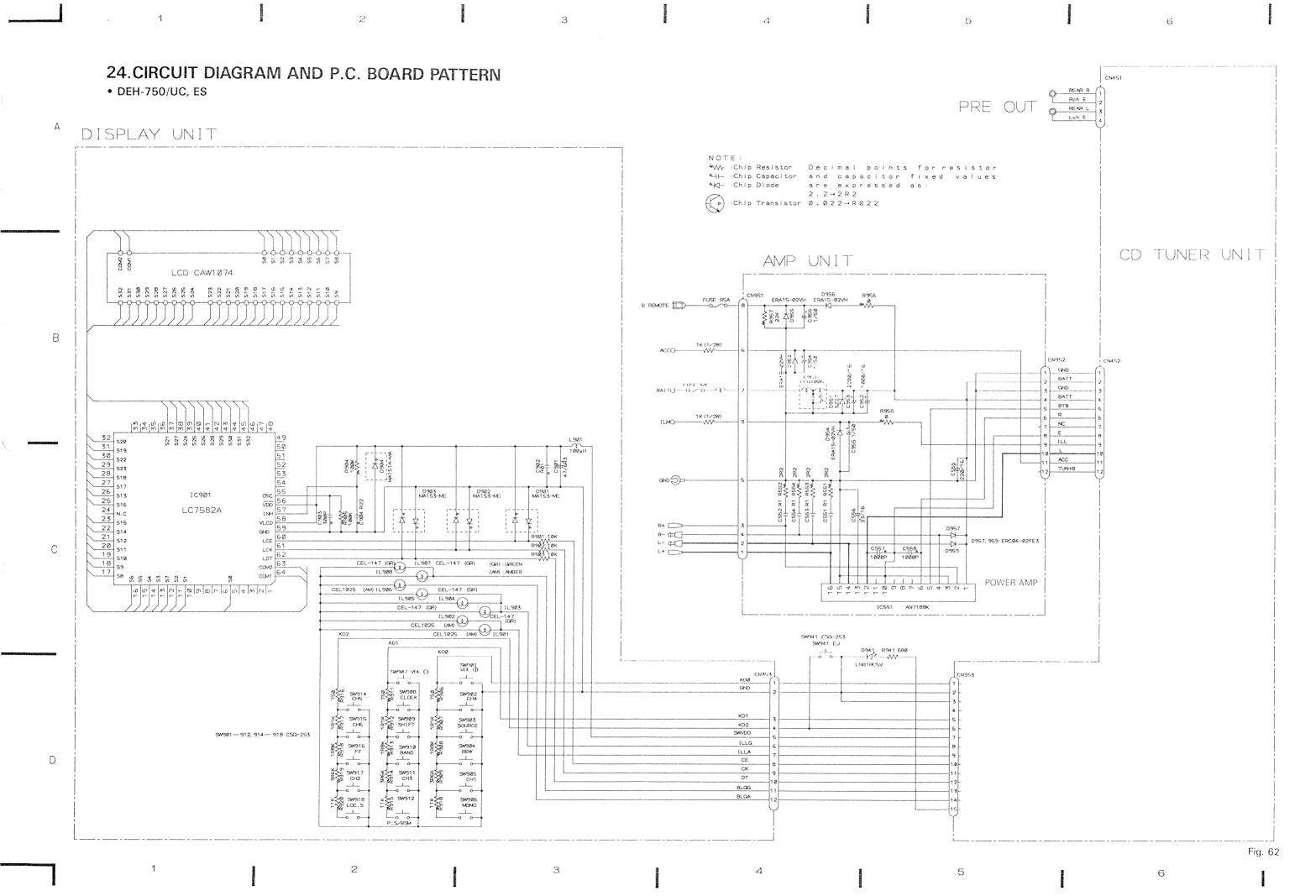


G: GND VC: Pin 26 of CXA1081Q (2.5V)









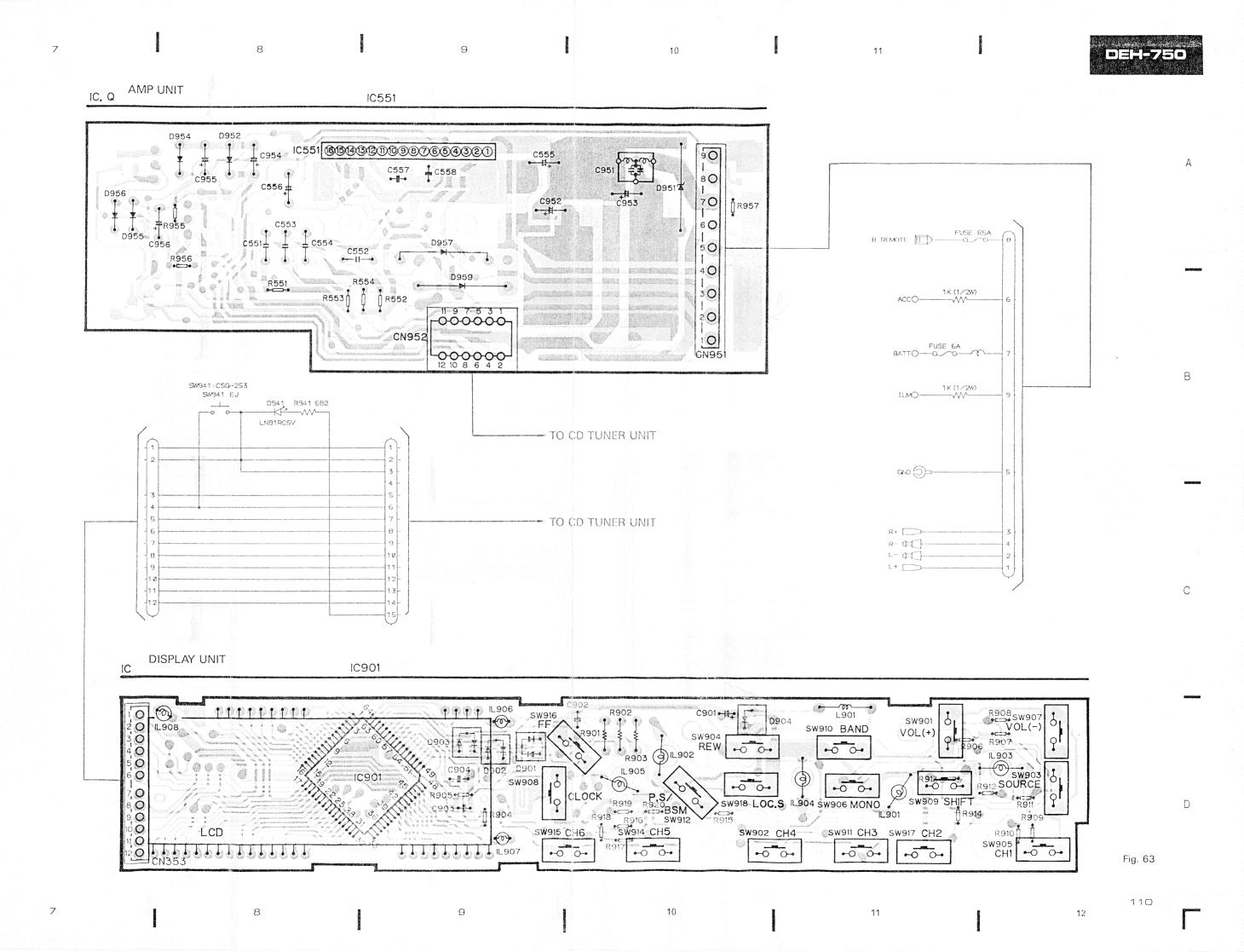
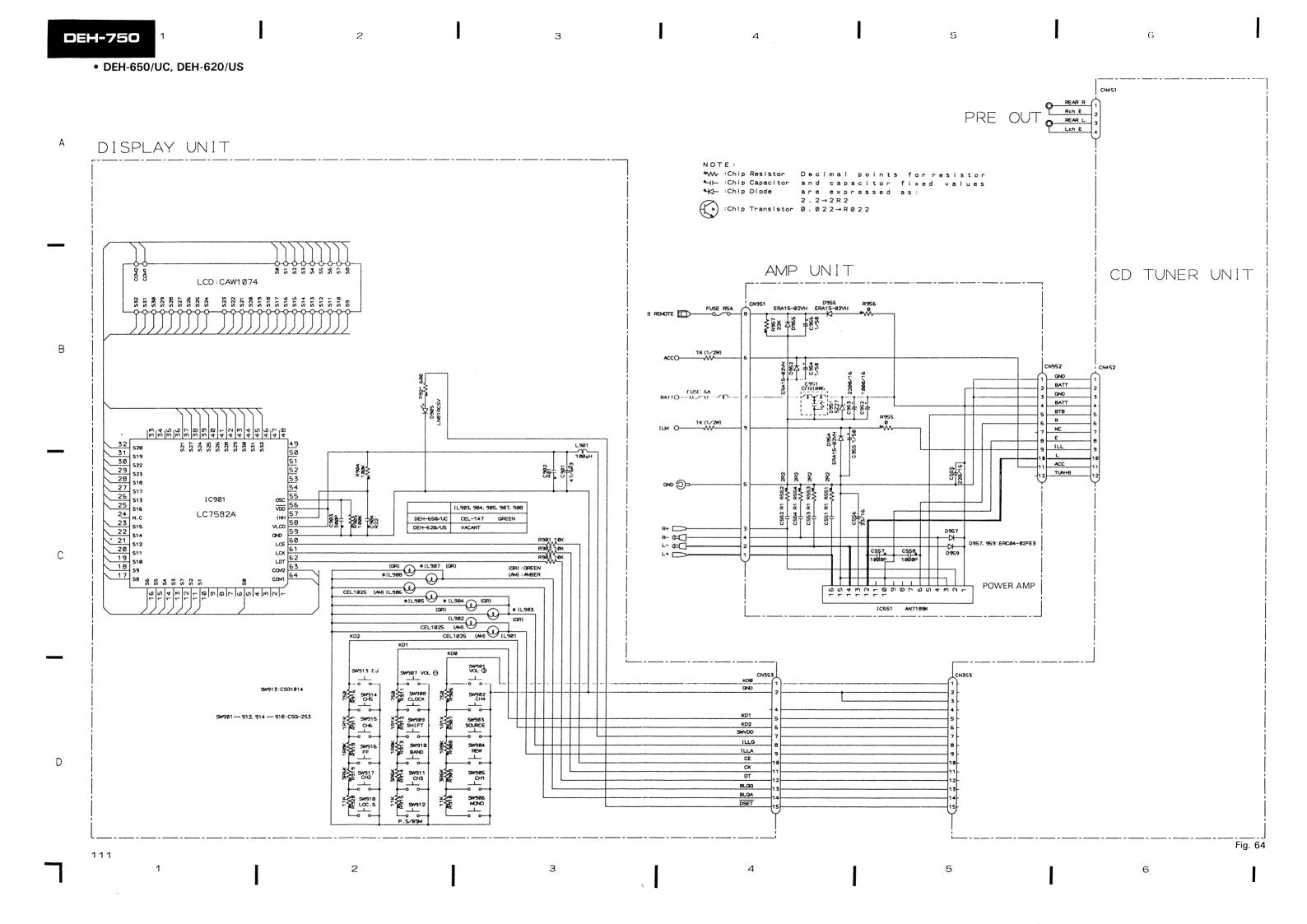


Fig. 62

UNIT



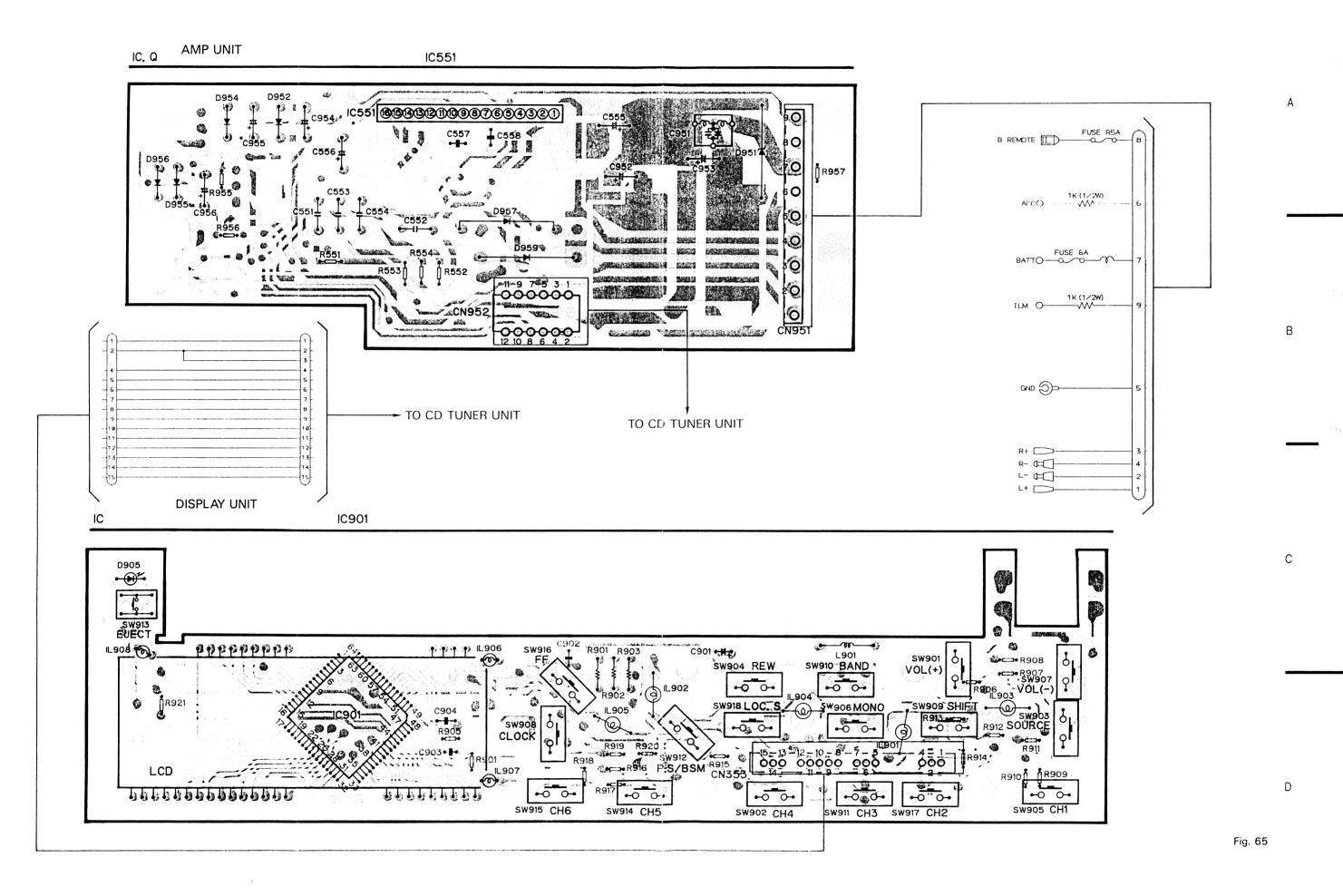


Fig. 64

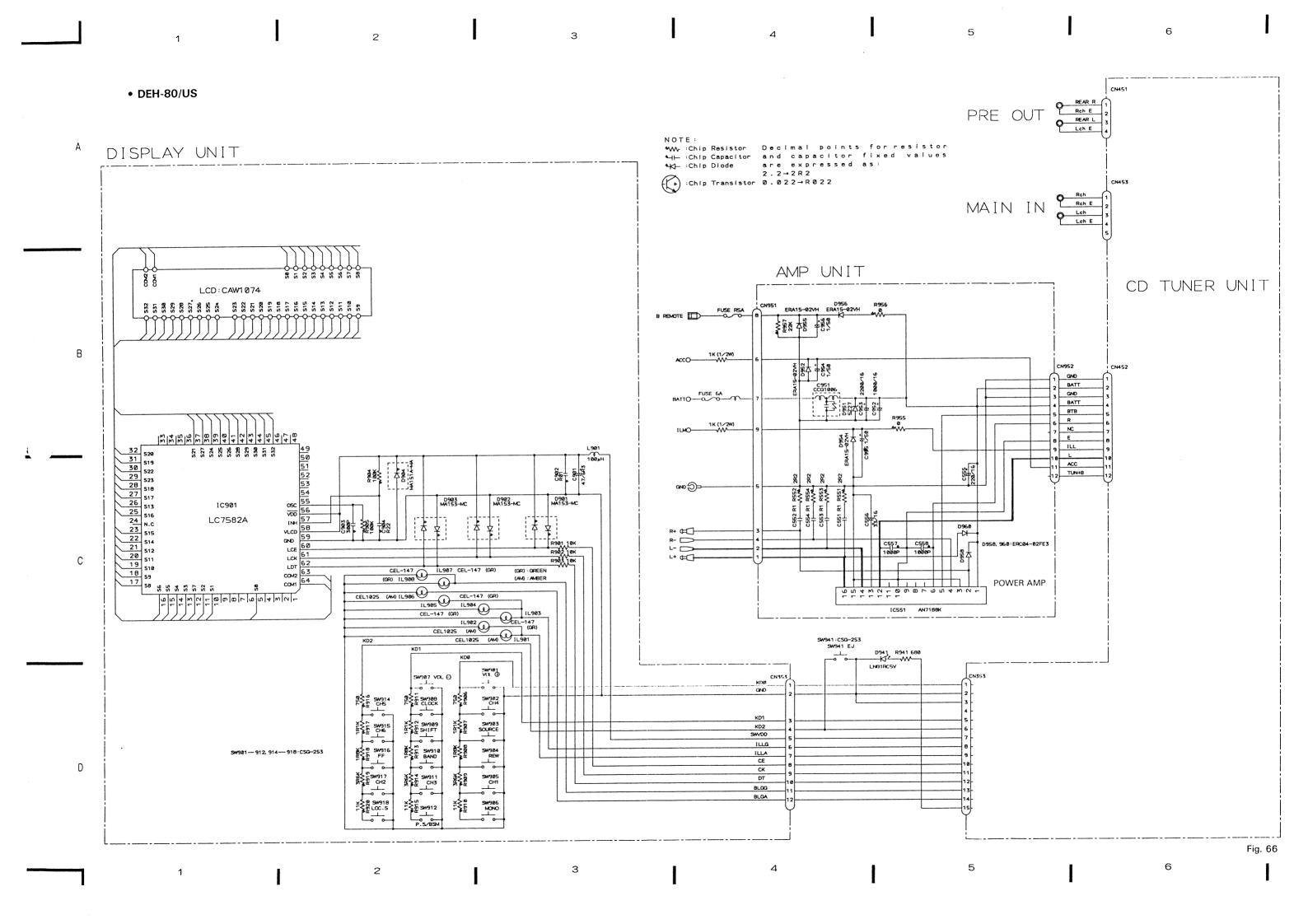
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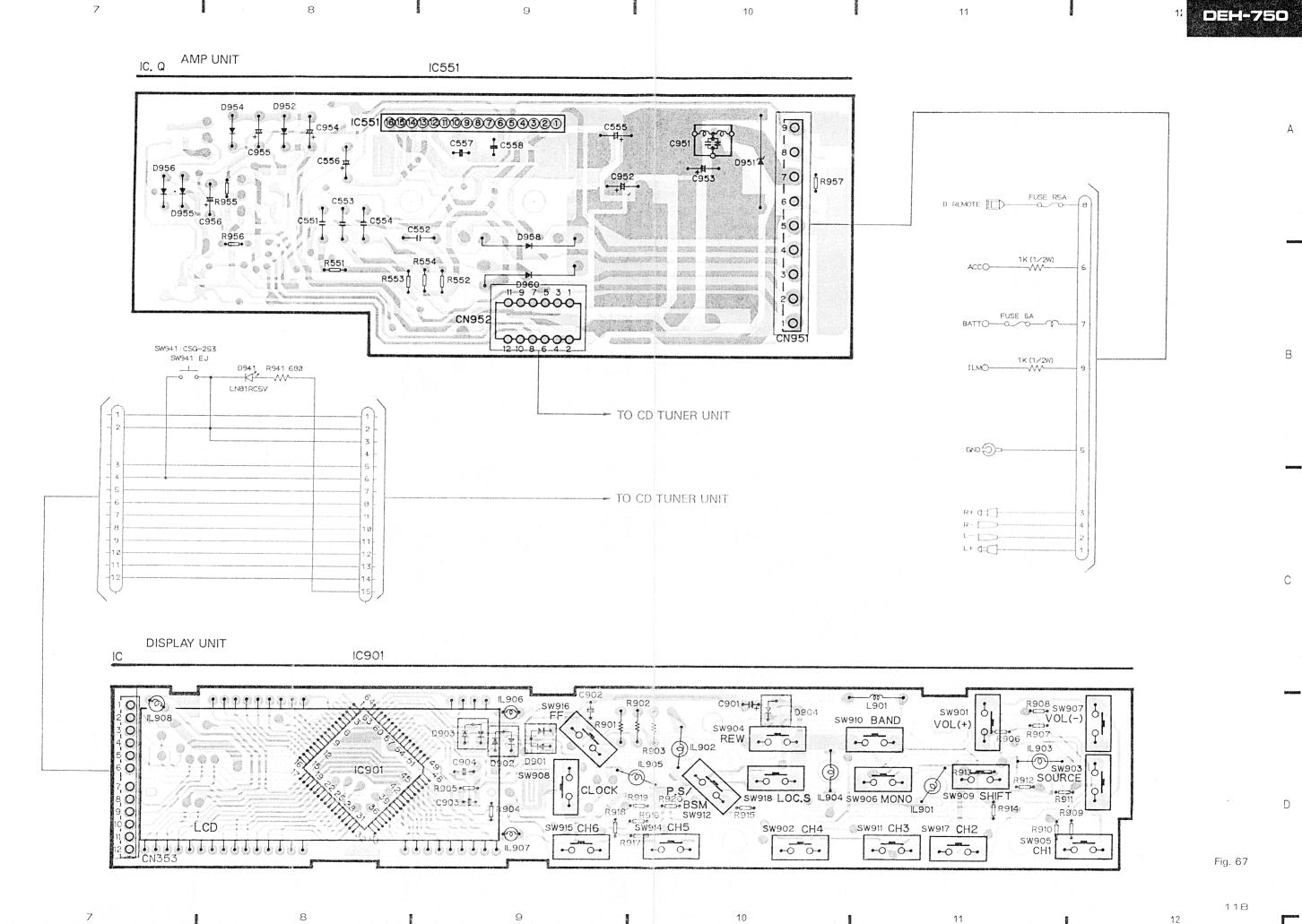
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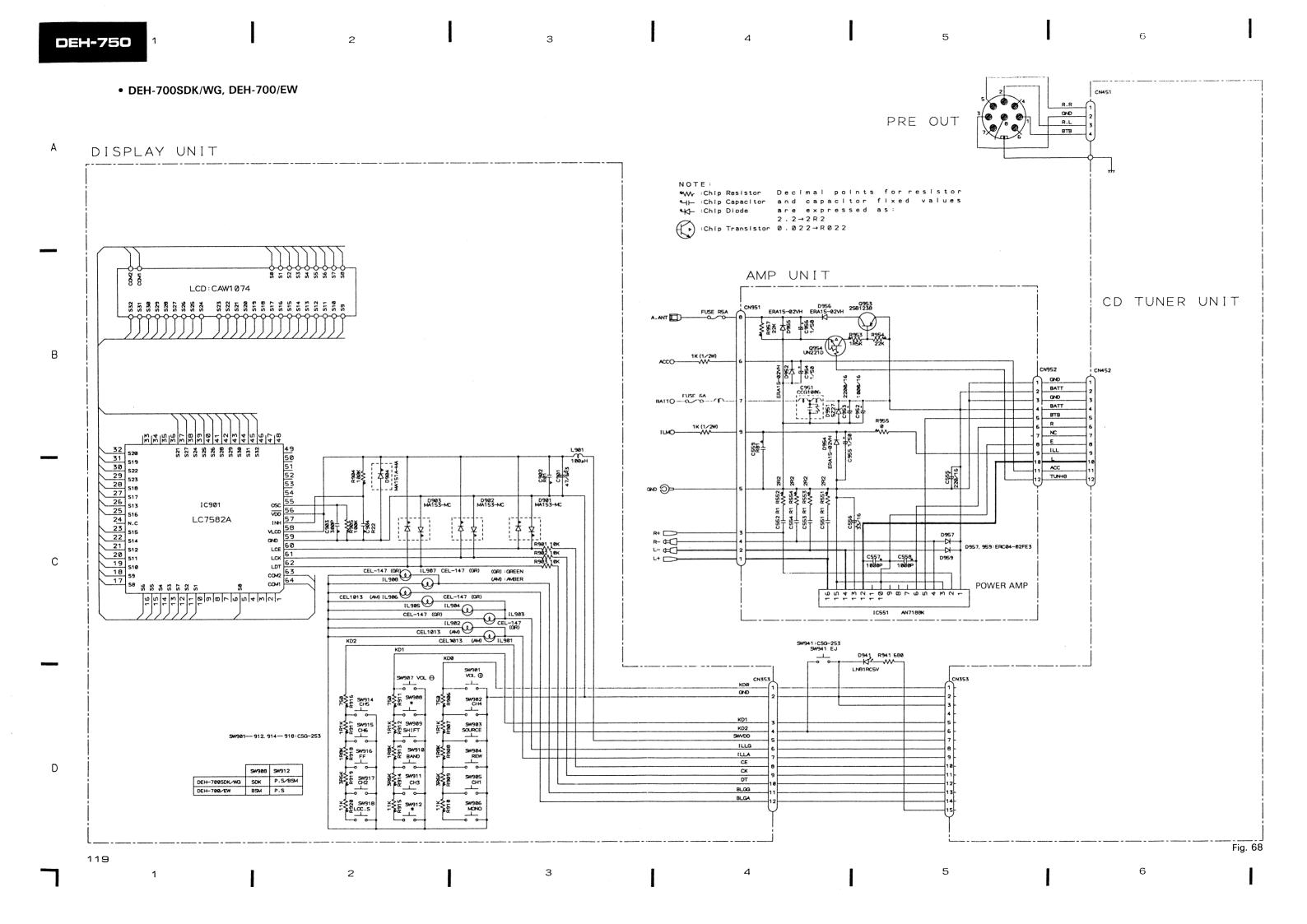
11





UNIT

Fig. 66



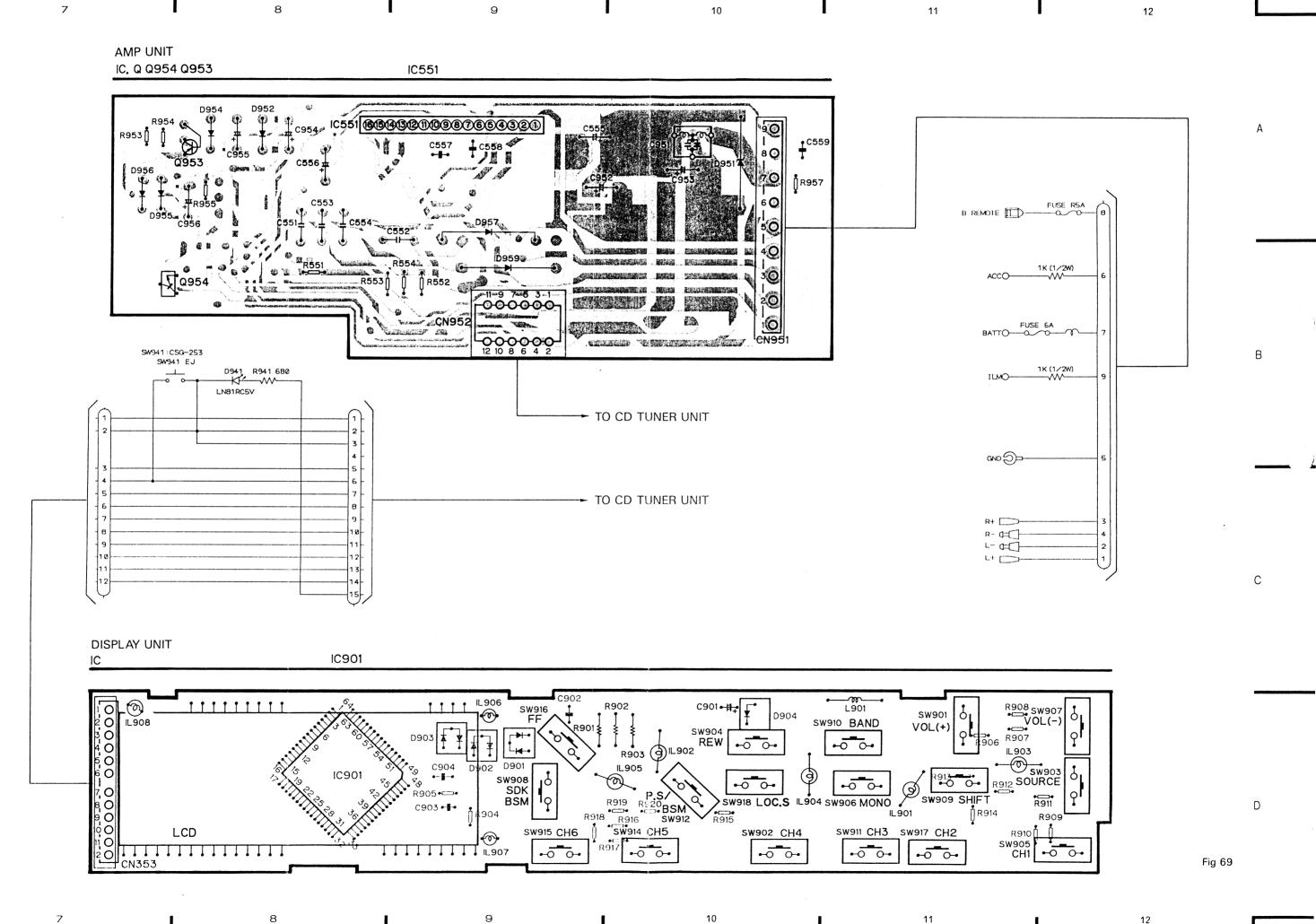
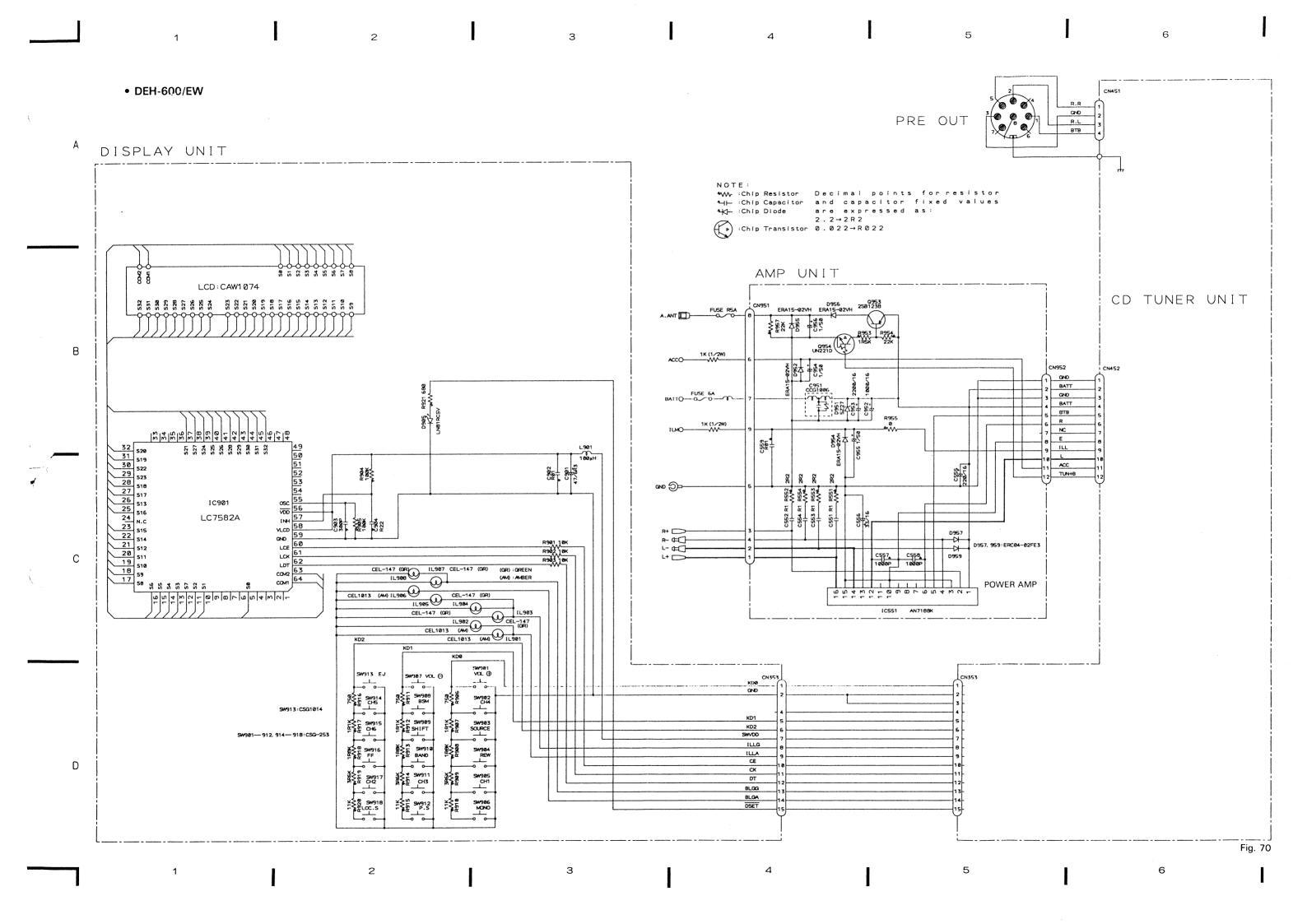


Fig. 68



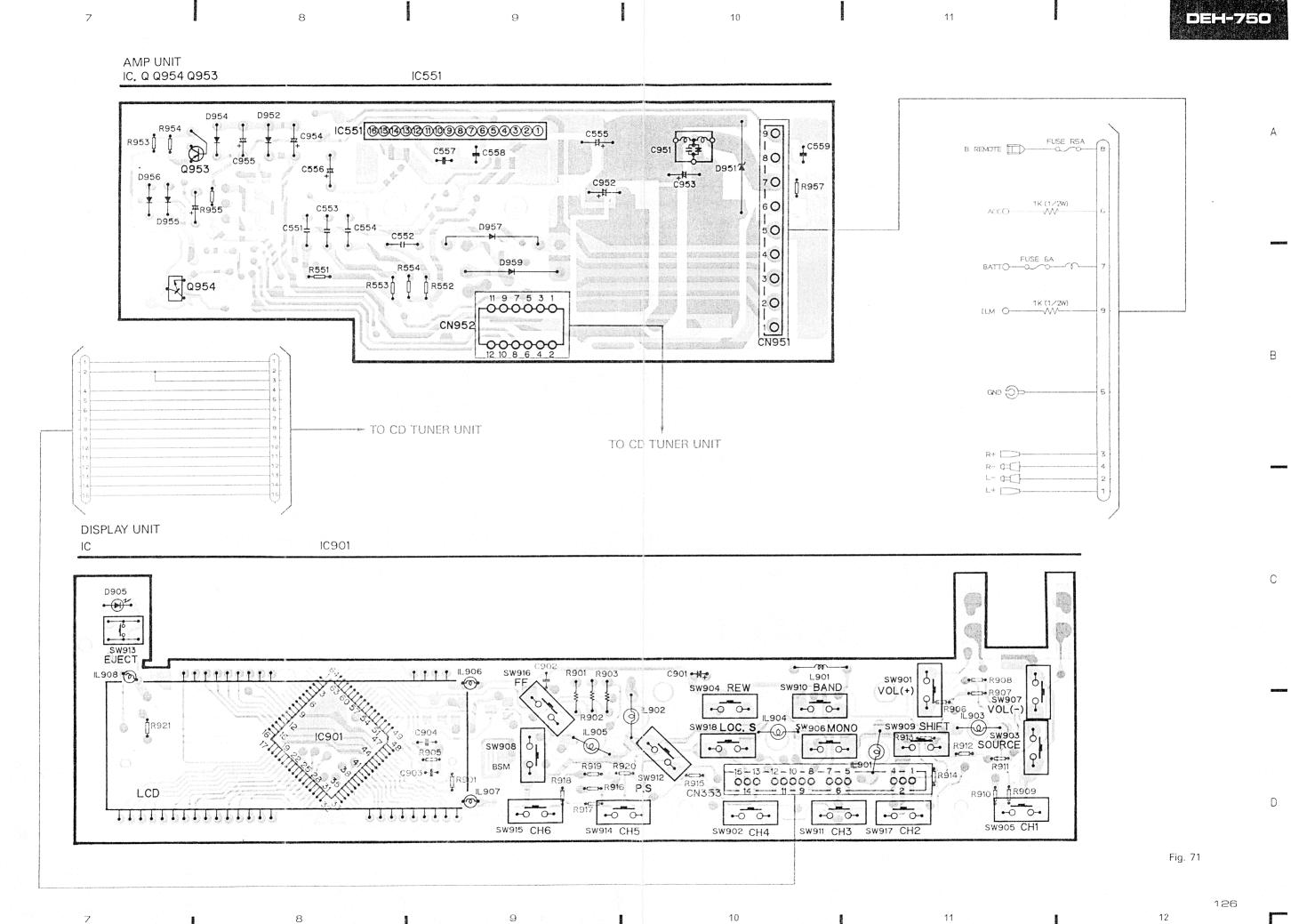
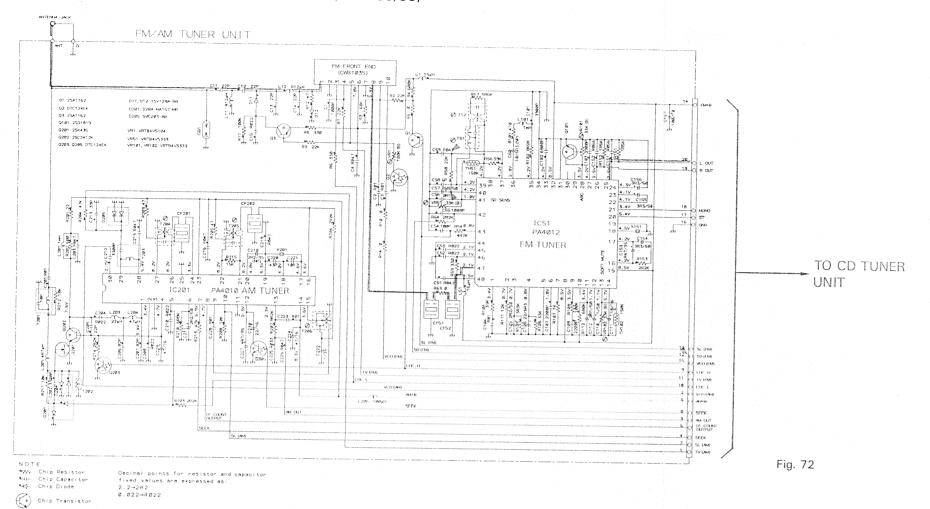
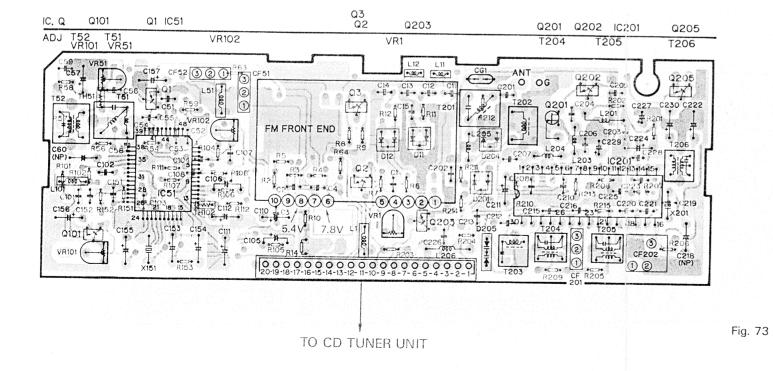


Fig. 70

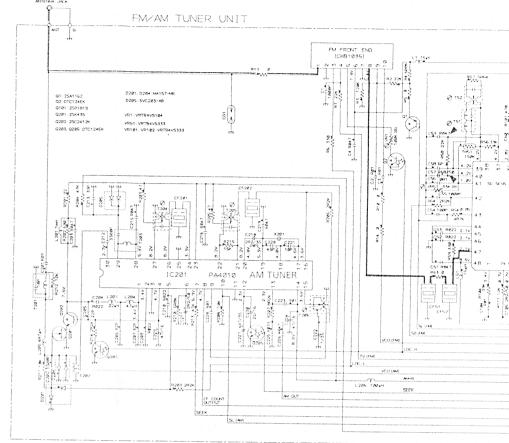
1 I T

• FM/AM Tuner Unit (DEH-750/UC, DEH-650/UC, DEH-80/US)





FM/AM Tuner Unit (DEH-620/US)



NOTE: *Wr :Chip Resistor *Hr :Chip Capacitor

Decimal points for resistor and capacitor fixed values are expressed as: 2.2-4R2 2.0.022-8022

HG :Chip Diode 2.2→2R2 0.022→R0

127

2

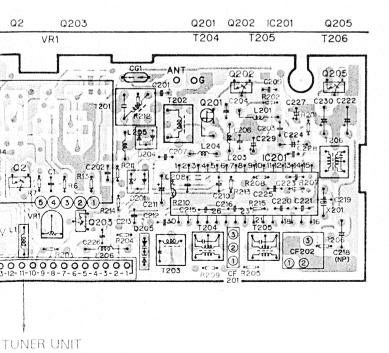
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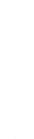
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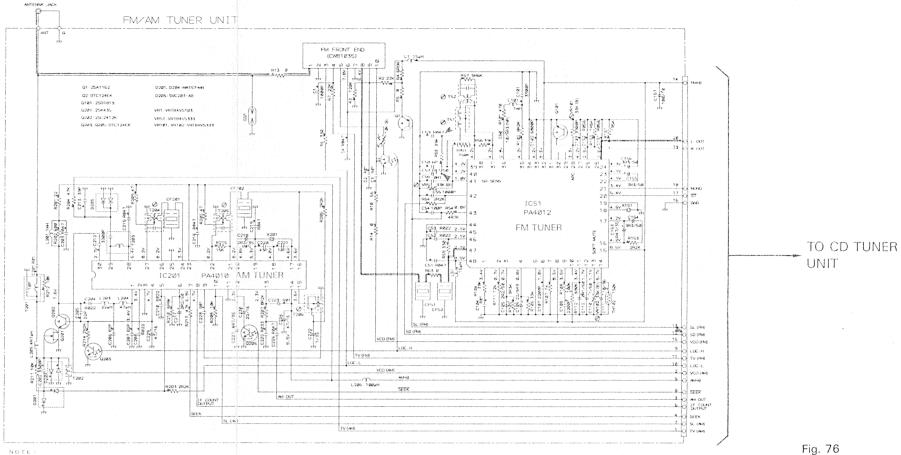
IC51 PA4012 FM TUNER TO CD TUNER UNIT

Fig. 74





• FM/AM Tuner Unit (DEH-750/ES)



Decimal points for resistor and capacito fixed values are expressed as: 7.2-282 m. 022-4022

Q101 0203 Q201 Q202 IC201 Q205 ADJ T52 T51 VR101 VR51 VR102 T206 FM FRONT END

TO CD TUNER UNIT

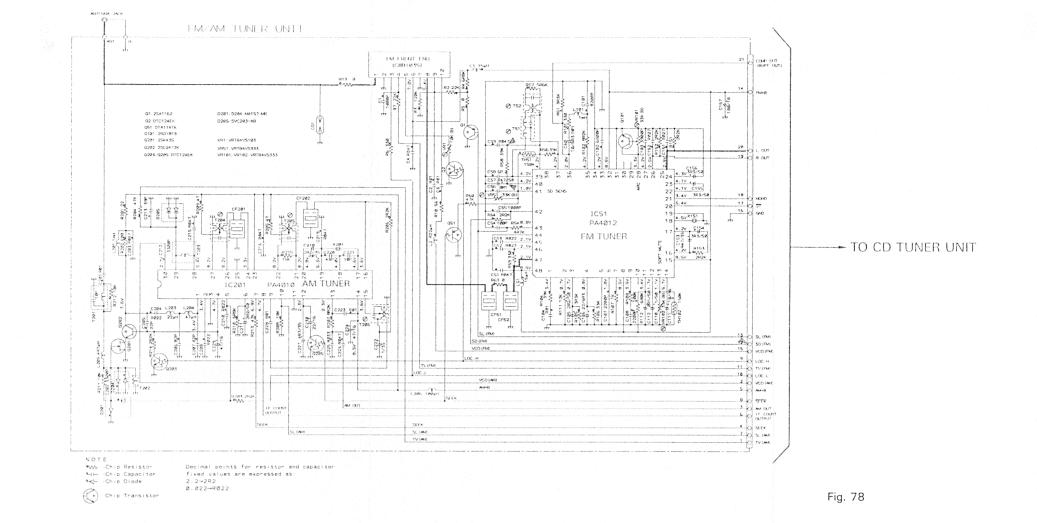
Fig. 77

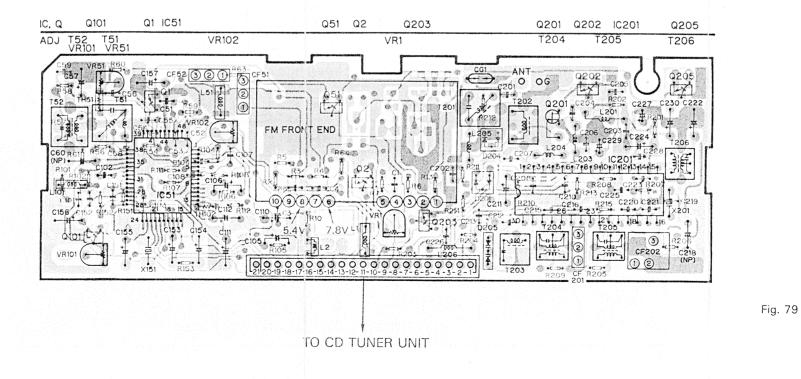
12

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Fig. 75





• FM/AM Tuner Unit (DEH-700/EW, DEH-600/EW)

FM/AM TUNER UNIT FM FRONT END (CW81035) 1007 IC51 PA4012 FM TUNER - TO CD TUNER UNIT BO SEEK

O AM OUT

F COUNT

NOTE: *Wy:Chip Resistor *H-:Chip Capacitor *K-:Chip Diode

Decimal points for resistor and capacitor fixed values are expressed as: 2.2-282 0.022-8022

Fig. 80

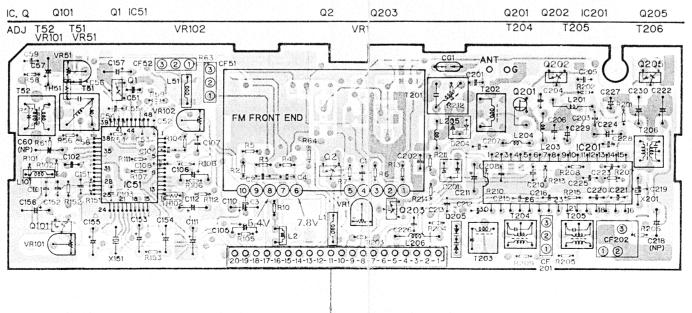


Fig. 81

TO CD TUNER UNIT

D

• FM/AM Tuner Unit (DEH-700/EW, DEH-600/EW)

FM/AM TUNER UNIT 1502 FM TUNER - TO CD TUNER UNIT

NOTE: WWW :Chip Resistor WHE :Chip Capacitor WGE :Chip Diode

Decimal points for resistor and capacitor fixed values are expressed as: 2.2-282 0.022-8822

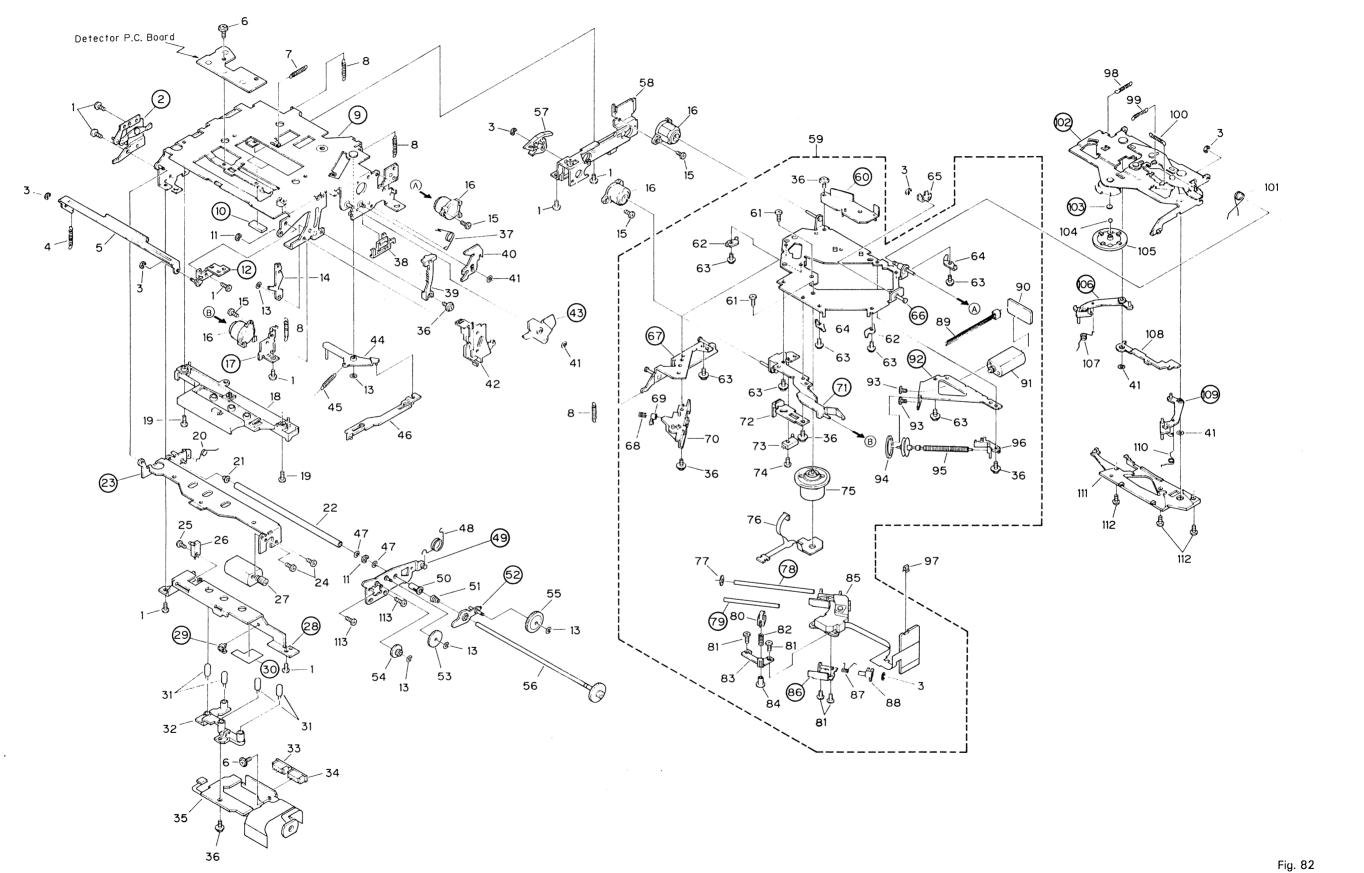
Fig. 80

IC. Q Q101 T206 VR102

Fig. 81

TO CD TUNER UNIT

25.CD MECHANISM UNIT EXPLODED VIEW



• Parts List

31 LED

32 Holder33 Connector

34 Connector

35 P.C.Board

SLH-34VC3F

CNV2226

CKS-719

CKS-721

CNP2366

65 Arm Unit

68 Spring

69 Spacer

66 Chassis Unit

67 Bracket Unit

ark No. Description	Part No.	Mark No. Description	Part No.	Mark No. Description	Part No.	Mark No. Description	Part No.
1 Screw	BMZ26P030FMC	36 Screw	CBA1075	70 Holder	CNV2485	95 Screw Unit	CXA2375
2 Bracket Unit		37 Spring	CBH1336	71 Holder Unit		96 Holder	CNV1781
3 Washer	YE15FUC	38 Holder	CNV1633	72 Holder	CNV2229	97 Short Pin	CBL1010
4 Spring	CBH1137	39 Gear	CNV2302	73 Switch	CSN1018	98 Spring	CBH1292
5 Arm	C N C 2 8 5 8	40 Arm	CNV2451	74 Screw	CBA1070	99 Spring	CBH1297
6 Screw	CBA1076	41 Washer	CBF1022	75 Motor Unit	CXM1054	100 Spring	CBH1296
7 Spring	CBH1136	42 Cover	CNV2452	76 P.C.Board	CNP2383	101 Spring	CBH1294
8 Spring	CBH1182	43 Arm Unit		77 Cushion	CNV1863	102 Arm Unit	
9 Chassis Unit		44 Arm	CNV2506	78 Shaft		103 Spacer	
10 Cushion		45 Spring	CBH1343	79 Shaft		104 Ball	CNR1079
11 Washer	YE20FUC	46 Lever	CNV2505	80 Holder	CNV1512	105 Clamper	CNV2411
12 Bracket Unit		47 Washer	HBF-126	81 Screw	CBA1062	106 Arm Unit	
13 Washer	CBF-166	48 Spring	CBH1133	82 Spring	CBH1105	107 Spring	CBH1295
14 Cam	CNV2535	49 Bracket Unit		83 Holder	CNC1736	108 Arm	C N V 2 2 2 8
15 Screw	CBA1118	50 Bearing	CNV2224	84 Screw	CLA1319	109 Arm Unit	
16 Damper Unit	CXA3339	51 Spring	CBH1181	85 PU Unit	CGY1015	110 Spring	CBH1293
17 Bracket		52 Arm Unit		86 Holder Unit		111 Guide	CNV2223
18 Guide	C N V 2 2 2 1	53 Gear	CNV1628	87 Spring	CBH1106	112 Screw	CBA1084
19 Screw	CBA1131	54 Gear	CNV1627	88 Luck	CNV1513	113 Screw	BMZ20P030FM
20 Spring	CBH1299	55 Gear	CNV1629	89 Connector	CDE2849		
21 Bearing	CNV1884	56 Gear Unit	CXA2990	90 P.C.Board	CNP2384		
22 Roller	CNV2225	57 Arm	CNV2510	91 Motor Unit	CXA3347		
23 Arm Unit		58 Bracket Unit		92 Bracket			
24 Screw	HBA-175	59 Carriage Mechanism	CXA3474	93 Screw	CBA-098		
25 Screw	CBA1070	Unit		94 Belt	CNT1020		
26 Switch	C S N 1 0 2 0	60 Guide					
27 Motor Unit	CXA2129	61 Screw	HBA-163				
28 Bracket		62 Holder	CNC1738				
29 Holder		63 Screw	PMS20P030FMC				
30 Insulator		64 Holder	CNC1739				

CXA3441

CBH1104

CNV1844

• Parts List (DEH-700SDK/WG)

	Mark			Part No.			Part No.
А	•		Display Unit			Plug	CKS-466
		2	Lamp	CEL-147	42	10	AN7188K
		3	Bush	CNW-766	43	Holder	
		4	Lamp	CEL1013	4 4	Holder	
		5	Plug	CKS1663	45	Amp Unit	CWH1083
		6	Holder	CNV2307	46	Connector	
	Š	- 7	Lens	CNV2305	4766	• • • • •	
			LCD	CAW1074		Holder	
			Case			Button	CAC2242
		10	Holder	C N C 1 4 8 4	6 9	Spring	CBH1314
		11	Plate			Screw	BMZ20P040FZK
		12	Screw	BMZ20P050FZK		Grille Unit	C X A 3 2 9 4
В		13	Grille	CNS1849		P. C. Board	
			Holder			Screw	BPZ20P040FMC
		15	Lens	C N V 2 3 0 4	7 4	Button	CAC2238
		16	Cushion		7 5	Socket	CKS1664
		17	Button	CAC2243	76	Detach Unit	C X A 3 4 4 6
		18	Button	CAC2241	77	Shaft	
		19	Button	CAC2350	7 8	Washer	YE12FUC
		2 0	Button	CAC2351	79	Arm	CNV2483
		2 1	Stopper		80	Holder	CNV2306
		22	Grille Unit	CXA3435	8 1	Washer	YE15FUC
		23	Shaft		8 2	Spring	CBH1364
		24	Cushion		8 3	Shaft	
С		2 5	Cushion		8 4	Holder Unit	
		26	Button	CAC2240	8 5	Spring	CBH1315
		27	Button	CAC2239	86	Washer	WT22D050D025
		28	Button	CAC2344	8 7	Holder Unit	
		29	Button	CAC2345	8 8	Spring	CBH1328
		3 0	Button	C A C 2 3 4 6	89	Arm	
		3 1	Button	CAC2347	90	Shaft	
		3 2	Button	CAC2348	9 1	Holder Unit	
		3 3	Button	CAC2349	9 2	Screw	BMZ20P040FMC
		3 4	Handle	CNC1631	9 3	Switch	CSN1012
		3 5	Panel	CNS1911	9 4	Screw	BMZ20P060FMC
D		36	Spring	CBH-865	9 5	Cord	CDE2626
			Screw	BMZ30P140FMC	96-105	• • • • •	
		38	Screw	BMZ30P050FMC	106	Case	
		39	Heat Sink		107	Holder	
		40	Holder		108	FM Front End	CWB 1035

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- Parts marked by "@" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	109	Insulator				Case	
	110	Plug (21P)			140	Insulator	
	111	Insulator			141	Screw	PMF26P060FMC
	112	Case		(1)	142	CD Mechanism Unit	C X K 2 4 0 0
	113	Antenna Jack	CKX1010		1 4 3	Сар	C N V 1 4 5 5
•	114	FM/AM Tuner Unit	CWE 1187		144	Cord	CDE2643
	115	Holder			145	• • • • •	
	116	Plug			146	Antenna Cable	CDH1104
	117	Holder			147	Screw	BMZ30P040FMC
	118	Plug			1 4 8	Bush	CNV1917
	119				149	Screw	CBA1002
	120	Plug			150	Holder	
	121	Connector	CKS1535		151	Plate	
	122	Connector	CKS1572		152	Cord	CDE2642
	123	Connector	CKS1565		153	Resistor	R\$1/2P\$102JL
	124	Screw	HBA-165		154	Сар	CNS1472
	125	10	AN8377N		155	• • • • •	
	126	Plate			156	• • • • •	
	127	Screw	BM726P040FMC		157	• • • • •	
	178	Insulator			158	Holder	
	129	Screw	PMS26P040FMC		159	Screw	BMZ26P140FMC
	130	Holder			160	Washer	WT17D040D025
	131	Screw	CMZ26P040FMC		161	Screw	PMZ20P020FZK
	132	Holder			162	Spacer	
	133	Chassis Unit			163	••••	
		Plate			164	Cushion	
		Holder					
•	136	CD Tuner Unit	CWX1299				
	137	Screw	CBA1094				
	138	Caution Card	CRP1031				

• Parts List (DEH-700/EW, DEH-750/UC, DEH-750/ES, DEH-80/US) NSP:Non Spare Part

			DEH-700SDK /WG	DEH-700/EW	DEH-750/UC	DEH-750/ES	DEH-80/US
Mark	No.	Description	Part No.	Part No.	Part No.	Part No.	Part No.
•	1	Display Unit	CWX1268	CWX1268	CWX1265	CWX1265	CWX1265
	4	Lamp	CEL1013	CEL1013	CEL1025	CEL1025	CEL1025
	2 2	Grille Unit	CXA3435	CXA3433	CXA3431	CXA3434	CXA3432
(45	Amp Unit	CWH1083	CWH1083	CWH1082	CWH1082	CWH1090
	106	Case	NSP				
	111	Insulator	NSP				
	112	Case	NSP				
•	114	FM/AM Tuner Unit	CWE1187	CWE1167	CWE1169	CWE1168	CWE1169
~	119	Plug					NSP
	130	Holder	NSP (A)	NSP (A)	NSP(B)	NSP(B)	NSP(C)
	133	Chassis Unit	NSP (A)	NSP(B)	NSP(B)	NSP(B)	NSP(B)
•	136	CD Tuner Unit	CWX1299	CWX1298	CWX1296	CWX1300	CWX1297
=-	143	Сар	CNV1455	CNV1455			• • • • •
	144	Cord	CDE2643	CDE2643			• • • • •
	152	Cord	CDE2642	CDE2642	CDE2641	CDE2641	CDE2625
	155	Cord			CDE2639	CDE2639	CDE2733
	156	Cord					CDE2640
	157	Сар			CNW-829	CNW-829	CNW-829
		,			(×2)	(×2)	$(\times 4)$

 Parts List (DEH-650/U)
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Mark No.	Description Description	Part No.	Mark	No.	Description	Part No.
				99	Lamp	CEL1025
	Holder	CNC1484		100	Holder	CNV2307
11-33		•		101	Lens	CNV2305
	Handle	CNC1631		102	LCD	CAW1074
	Panel	CNS1911		103	Case	
3 3	ranei	01101011				
36	Spring	CBH-865			P. C. Board	CNP2255
37	Screw				Display Unit	CMXIZID
38	Screw	BMZ30P050FMC				
39	Heat Sink				Holder	
40	Holder			108	FM Front End	CWB 1 0 3 5
41	Plug	CKS-466		109	Insulator	
	IC	AN7188K			Plug (20P)	
	Holder				••••	
	Holder			112		
	Amp Unit	CWH1082				CKX1010
	•			111	FM/AM Tuner Unit	CWF 1 1 6 9
	Connector		•		Holder	ONETTOS
	Shaft	0.4.0.0.4.0				
	Button	CAC2243			Plug	
	Button	CAC2241			Holder	
50	Button	CAC2350		118	Plug	
5 1	Button	CAC2351				
52	Stopper			120	• • • • •	
53	Button	CAC2245		121	Connector	CKS1535
5.4	Grille Unit	CXA3296		122	Connector	CKS1572
5 5	Cushion			123	Connector	CKS1565
5.6	Lens	CNV2304		124	Screw	HBA-165
	Cushion	01112001			I C	AN8377N
	Cushion				Plate	
	Button	CAC2240			Screw	BMZ26P040FMC
		CAC2239			insulator	
D U	Button	CAC2233		120	111301001	
6 1	Button	CAC2344			Screw	PMS26P040FMC
6.2	? Button	CAC2345			Holder	
6.3	Button	CAC2346			Screw	CMZ26P040FMC
6.4	Button	CAC2347		1 3 2	! Holder	
6 5	5 Button	C A C 2 3 4 8		1 3 3	Chassis Unit	
R f	S Button	CAC2349		134		
	5 ••••			135	Holder	
	Screw	BLZ20P050FMC	(S CD Tuner Unit	CWX 1 3 0 2
	7 Bush	CNW-766	Ü		7 Screw	CBA1094
		CEL-147			3 Caution Card	CRP1031
9 (8 Lamp	OLE - 147		100	, Judicion dui d	

Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
	139	Case			154	Сар	CNS1472
	140	Insulator			155	Cord	CDE2639
	141	Screw	PMF26P060FMC		156	• • • • •	
•	142	CD Mechanism Unit	C X K 2 4 0 0		157	Cap (× 2)	CNW-829
143—	-145	• • • •			158	• • • • •	
	146	Antenna Cable	CDH1104		159	Screw	BMZ26P140FMC
	147	Screw	BMZ30P040FMC	160-	-162	• • • • •	
	148	Bush	CNV1917		163	Spaer	
	149	Screw	CBA1002		164	Cushion	
	150	Holder					
	151	Plate					
	152	Cord	CDE2641				•
	153	Resistor	RS1/2PS102JL				

• Parts List (DEH-620/US, DEH-600/EW)

NSP:Non Spare Part

			DEH-650/UC	DEH-620/US	DEH-600/EW		
Mark	No.	Description	Part No.	Part No.	Part No.		
•	45	Amp Unit	CWH 1 0 8 2	CWH1082	CWH1083		
	54	Grille Unit	CXA3296	CXA3297	CXA3609		
	97	Bush	$CNW-766 (\times 5)$	$CNW-766 (\times 2)$	$CNW-766 (\times 5)$		
	98	Lamp	CEL-147		CEL-147		
	99	Lamp	CEL1025	CEL1025	CEL1013		
•	105	Display Unit	CWX1275	CWX1277	CWX1310		
•	114	FM/AM Tuner Unit	CWE1169	CWE1186	CWE1167		
	130	Holder	NSP	NSP	NSP		
•	136	CD Tuner Unit	CWX1302	CWX1303	CWX 1 3 0 9		
	143	Сар	••••	••••	CNV1455		
	144	Cord			CDE2643		
	152	Cord	CDE2641	CDE2641	CDE2642		
	155	Cord	CDE2639	CDE2639			
	157	Cap (× 2)	CNW-829	CNW-829			



27.PACKING METHOD

• Parts List

NSP:Non Spare Part

			DEH-700 SDK/WG	DEH-700 /EW	DEH-750 /UC	DEH-750 /ES	DEH-80 /US	DEH-650 /UC	DEH-620 /US	DEH-600 /EW
Mark	No.	Description	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
	1	Carton	CHG1784	CHG1783	CHG1786	CHG1785	CHG1787	CHG1788	CHG1789	CHG1821
*	2 - 1	Owner's Manual	CRD1359	CRD1358 CRD1365	CRD1361	CRD1360	CR81159	CRD1364	CRD1363	CRD1388
	2 - 2	Caution Card	NSP							
	2 - 3	Caution Card	NSP	NSP	NSP	NSP	NSP	NSP	NSP	NSP
	2 - 4	Caution Card	NSP	NSP	NSP	NSP	NSP			NSP
	2 - 5	Caution Card					NSP			
	2 - 6	Card	NSP	NSP						NSP
	2 - 7	Passport	NSP							
	2 - 8	Seal	NSP	NSP	NSP	NSP	NSP	NSP	NSP	NSP
	2 - 9	Card			NSP		NSP	NSP	NSP	
	3	Styrofoam (R)	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332	CHP1332
	4	Cover	CEG1064	CEG1064	CEG1064	CEG1064	CEG1064	CEG1064	CFG1064	CEG1064
*	5	Accessory Assy	CEA1381	CFA1381	C1A1381	CEA1381	CEA1381	CEA1381	CFA1381	CEA1381
	6	Cord	CD12642	CD12542	CDF 7641	CD12641	CD12625	CDE2641	CD17641	CD17642
	1	Panel	CNS 1911	C#81911	CNS1911	CNS1911	CNS1911	CNS1911	CNS1911	CNS1911
	8 1	Case	NSP	NSP	NSP	11211	NSP			
		for Detach Grille								
	8 - 2	Cover	CEG1072	CEG1012	CEG1072	CEG1072	CEG1072			
	9	Contain Box			CHI 1786		CHI 1787	CHE 1788	CHL 1789	
	10	Styrofoam(L)	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331	CHP1331

*5 Accessory Assy CEA1381											
Mark No.	Description	Part No.	Mark No.	Description	Part No.						
5-1	Screw Assy		5-2	Strap	CNF-111						
5-1-1	Screw(×4)	BM740P080FMC	5-3	Bush	CNV1917						
5-1-2	Screw(×4)	BMZ 50P080FMC	5 - 4	Spring(×2)	CBH-865						
5-1-3	Screw(×1)	CBA-102	5 - 5	Handle (× 2)	CNC1631						
5-1-4	Screw(×1)	CBA1002									
5-1-5	Nut (× 2)	NFSOFMC	ľ								

* 2-1 Owner's Manual

Part No.	Model	Language
CRD1359	DEH-700SDK/WG	German, French
CRD1358	DEH-700/EW	English, French, German, Spanish
CRD1365	DEH-700/EW	Swedish, Norwegian, Dutch, Finnish
CRD1361	DEH-750/UC	English, French
CRD1360	DEH-750/ES	English, French, Spanish, Arabic
CRB1159	DEH-80/US	English
CRD1364	DEH-650/UC	English, french
CRD1363	DEH-620/US	English, Spanish
CRD1388	DEH-600/EW	English, French, German, Dutch

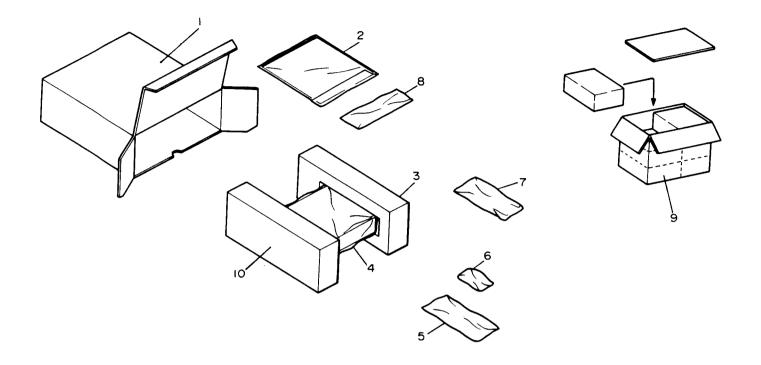


Fig. 84

28.ELECTRICAL PARTS LIST

NOTE:

- Parts whose parts numbers are omitted are subject to being not supplied.
- The part numbers shown below indicate chip components.

Chip Resistor

RS1/8S \= \= \square J, RS1/10S \= \= \= J

Chip Capacitor (except for CQS.....)

CKS....., CCS....., CSZS.....

		umber: ame:	CD T	ner	Unit	(DEH-750/UC)		Mark			***	C17	Guit	5 y m		# O. ·	Part Name	Part No.
		•				• •			BP	401					Buzz	r		CPV1010
MISC	ELL	AMEOUS							G	900					Surg	A A b	sorber	ERZ-CO7DK2
									۷R	351					Semi	-fix	te d	CCP1005
via r k	==:		Cir	uit	Symb	ol & No. ==== Part Name	Part No.											
										352					Semi			CCP1006
		351					CXA10810			604							ted 2. 2kΩ (B)	CCP1015
		451 655	65/	662	706		M5218FP			651							ted 47kΩ (B)	CCP1023
		452					CWW1213			501							Resonator	CSS1030
		501					LC7218M		X	701					crys		Resonator	C\$\$1052
	10	601					CXA1082BQ		U	251					0	1	Resonator	0001000
	10	651					AN8377N			751								CSS1023
		668 669					LA6501-FA			351 751					Ther:			CCX1006 CCX1007
		701					CXD1167Q		ın	131							.er Iner Unit	CCXIOO?
		703					SM5807ES-M								T M/ A		mer unit	
		704					LC7881MBM	RESIS	: T 6	De								
	10						COLOGIMOM	ncore	,,,	ns								
	10	705					UPC358G2	Mark	==	====	# # E	Cir	cuit	Symb	01 &	lo.	==== Part Name	Part No.
	10	751					PD4231											
	10	752					M51955AFP		R	334	522	541	622	670	691			RS1/10S103
	IC	753					M54546AL		R	341								RD1/4PS221
	I C	852					M5228FP		R	344	367	511	515	636	643			RS1/10S473
									R	345								RS1/10S513
	10	961					PA2018		R	351	352							RD1/4PS110
	0	351					2SB1243											
	Q	352 451	505	601	705	758 759 Chip Transistor	UN2211		R	353	381	658	659	717	718 7	23 7	24 776	RS1/10S102
	Q	453 454	851	852	853	854 Chip Transistor	DTC323TK		R	354	378	548						RS1/10S153
									R	355	610							R\$1/10\$113
		502				Chip Transistor	2SC3098		R	356	357	358	359	517	669			RS1/108563
	Q	503 504	510	513		Chip Transistor	2SC2712		R	360	361	383	608					RS1/10S823
		509				Chip Transistor	2SC3295											
		602 603				Chip Transistor	2SD1048		R	362								RS1/10S564
	0	651					2SD1760F5		R	363	869	870	895	896	962			RS1/10S223
									R	364	365	618	671					RS1/10S105
		652 706		754	770	Chip Transistor	UN2111		R	366	377	665	738	740	748			RS1/10S562
		653 753				Chip Transistor	2 S D 6 O 1 A		R	379	620							RS1/10S332
		703 704				Chip Transistor	UN2215											
		751					2501859		R	380	617	625						RS1/10S203
	0	755 756	757	761	762		2581238		R	382	667							RS1/10S363
									R	384	451	452	630					RS1/10S273
				765	766	767 968 Chip Transistor			•••	453								RS1/105183
		855 967				Chip Transistor	UN2111		R	454	530	532	536	702	706 7	73 1	174	RS1/10S0R0
		856				Chip Transistor	258709											
		965	•				2SD1684			455								RS1/10S472
	D	451 452	501	502	504	961 Chip Diode	MA 1 5 1WK -MT			457								RS1/10S473
		450				AL: A: I				459								RS1/10S332
		453 454			•	Chip Diode	MA3047H			461								RS1/10S163
						Chip Diode	MA 15 1WA-MN		R	463	464	469	501	502	503 5	04 9	509	RS1/10S222
			152	/53	157	758 759 760 762 Chip Diod			R	470	471	514	600	614	610 6	27 7	125 126 164	RS1/10S104
		652					RD11JS81		R								534 542	R\$1/105104
	U	653 754	954	465			ERA15-02VH		R		523			310	423 3		, a - 1 - 1	RS1/105474
	D	661 662					HZS2ALL			510			. 30					RS1/105221
		755					RD6R8JSB1			521			222					RS1/103221
		854				Chip Diode	MA3082H		••	421		901	001					101/100032
		963				F	RD5R6JSB1		R	524								R\$1/10\$122
		501 701	752			Ferri-Inductor	CTF1082					767	760	771	780 7	R 1 7	182 783	RS1/103122
	٠		, 42						n R			101	103	""		91 1	. O. T. 1. O. J.	R\$1/103222
						Ferri-Inductor	LAU150K				546	661	602					RS1/105101
	ı	751 961					FWD130V		R									

Mark =		Circuit Symbol &	No. ==== Part Name	Part No.	Mark				Circui	Symb	ol & N	lo. =	Pa:	rt Hame	Part No.
	547 779		•• ••• ••• ••• •••	R\$1/10\$821J		С	504								CCSQSL561J50
•	606 623			RS1/10S224J		C	506	621							CEALNP4R7M16
	607 760			RS1/10S683J		C	517	518	605 612	620	656 70	1 702	705 76	i 4	CKSYB104K25
	8 611			RS1/10S432J											
	8 612			R\$1/10\$623J		C	519	628	760						CKSQYB104K25
						C	527	529							CCSQSL101J50
1	R 613			RS1/10S624J		C	534	611	625 626	652	662 67	6 678	709 71	10	CKSQYB103K50
1	R 616 651	653		R\$1/10\$163J		C	535								CCCSL330J50
	R 621			RS1/10S184J		C	601	623	724						CKSQYB222K50
1	R 624 652	666 865 866		RS1/10S393J											
1	R 628 668	1		R\$1/10\$183J		C	606	616	711 712	!					CEA220M10LS
						C	608								CEALNP220M16
- 1	R 635 694	1 721 722		RS1/10S822J		C	609	715							CKSQYB472K50
1	R 637 657	660 690		RS1/10S272J		C	610							•	CCSQCH221J50
1	R 644			R\$1/10\$362J		C	613								CKSQYB223K25
1	R 654			RS1/10S150J											
1	R 672			R\$1/10\$364J		C	617								CEA4R7M35LS
						C	618								CKSQY8272K50
1	R 673 697	1 729 730 732 733 7	34 735 736 753	RS1/10S473J		C	629	713	714						CKSQYB683K25
1	R 674			RS1/10S133J		C	655								CCSQSL681J50
1	R 676 677	1		R\$1/10\$201J		C	661	666			220 µ	F/10V	I		CCH1015
1	R 692 699	5 703 709 737 739 1	141 745 746 747	RS1/10S103J											
1	R 693 691	5		RS1/10S5R6J		C	703	704							CCSQCH090D50
						C	716								CKSQYB472K25
i	R 704 727	7 728 784 863 864 8	83 884	R\$1/10\$472J		C	717	718	753 97	!					CCSQCH471J50
	R 711 713	7 719 720		RS1/10S511J		C	719	720							CKSQYB682K50
Į	R 713 714	1		R\$1/10\$181J		C	721								CEA330M10LS
	R 715 716			RS1/10S244J											
	R 742 743	3 744 754 756 758		RS1/8S182J			751								CKSQYB103K50
							752								CEAGR8M35LS
		2 763 786 792 794 8	186	RS1/10S103J			754				Trima	er			CCL1017
	R 750			RS1/10S562J			755								CCSQCH040C50
1	R 751 75	?		R\$1/10\$151J		C	761	763	974 97	979					CKSQYB473K25
		1 759 795 797 798 7	99	RD1/4PS103JL											
1	R 761 781	8 791 793 872		RS1/10S473J			762								CKSQYB102K25
						-		854							CEA100M25LS
		770 785 871		RS1/10S104J			961				1000	u 1/16	V		CCH1003
	R 778			R\$1/10\$752J			962								CEA010M50LS2
	R 787 789			R\$1/10\$222J		C	963								CEAOR1M50LS2
		887 892 894		RS1/10SOROJ		_									05447041616
I	R 867 868	3 964		R\$1/10\$102J				965	966						CEA470M16LS
							970								CEA100M10LS2 CKSYB104K25
		•	Resistor 4.7kΩ	CCN1023			971								CEA100M16LS2
	R 875 876	5 8 / 9 8 8 0 Chip	Resistor 12kΩ	CCN1026			978								CEA330M16LS
	R 885			RS1/10S682J		Ü	980								O F M S A A M L O F 2
	R 961			RS1/10S220J											
1	R 1001 100	22 1003		RD1/4PS103JL											

CAPACITORS

Mark	==		: : :	Circ	cuit	Sym	bol i	& No.		***	Part	Name	Part No.
	C	351	707	708	874	973							CEA101M6R3LS
	С	352	355	505	520	521	522	523	525	526			CKSQYB103K50
	Ċ	353	654	657									CKSQY8333K25
	C	354											CASA100M6R3
	C	356											CKSQYB332K50
	C	357	360	361	614	630	651	653	563	758			CKSYB224K25
	C	358	503	510	511	528	607	665	675	611	757		CKSQYB473K25
	C	370	373	627	877	878	879	880					CCSQCH220J50
	C	371	509	615	858								CKSQYB102K50
	C	372											CCSQCH150J50
	С	451	452										CEA220M6R3LS
	C	453	454										CEALNP4R7M35
	C	455	456										CEA4R7M50LS
	C	457	458	865	868	869	870	871	872				CCSCH330J50
	C	459	460	863	864	967	968	969	976				CEATOIMTOLS
	c	451	462	659	689	759	855	856					CEA100M25LS
	C	501	502										CCSQCH270J50

CD Tunor Unit	DEH-150/UC	DEH-750/ES	DEH-80\A2	DEH-650/UC	DEH-620/US
Symbol & No.	Part No.	Part No.	Part No.	Part No.	Part No.
10851			M5218FP		
0451	UN2211	UN2211	UN2211	DTC114EU	UM2211
0761, 762	2581238	2581238	2581238	2581238	
Q763, 764	UN2211	UN2211	UM2211	UN2211	
Q765, 767	UN2211	UN2211	UM2211	UN2211	
0457				MA153A-MA	
0751, 752, 753	MA153-MC	MA153-MC	MA 1 53 - MC		
0751, 758, 759	MA153-MC	MA153-MC	MA153-MC		
0760	MA153-MC	MA153-MC	MA 1 53-MC		
SW401			CSH-073		
R454	RS1/10S0R0J	RS1/1050R0J	RS1/10SOR0J		RS1/10S0R0J
R465				RD1/4PS103JL	
R747, 749	R\$1/105103J	RS1/105103J	RS1/10S103J	R\$1/10\$103J	
R748. 750	RS1/105562J	R\$1/10\$562J	R\$1/18\$562J	R\$1/105562J	
R172		RS1/10S302J			• • • • • • • • • • • • • • • • • • • •
R773	RS1/10SORDJ	R\$1/105511J	RS1/10S0R0J	RS1/10SOROJ	RS1/1050R0j
R774	RS1/10S0R0J	RS1/10S0R0J	RS1/10SDR0J	RS1/10S302J	RS1/10SOR0J
R775				R\$1/10\$752J	• • • • •
R851, 852			R\$1/10\$472J		
R853, 854			RS1/10S682J		
R855, 856			R\$1/10\$152J		
R857, 858			RS1/105622J	****	
R875, 876	CCH1026 (12kΩ)	CCN1026 (12kQ)	CCH 1025 (10k 12)	CCN1026 (12k \O)	CCN1026 (1210)
R871. 878			CCH1023 4.7kΩ		
R879 880	CCM1026 (12k \O)	CC#1026 (12k\O)	CCH 1025 (1010)	CCN1026 (12kΩ)	CC#1026 (1210)
R881. 882	RS1/10\$392J	RS1/145392J	RS1/10S472J	R51/105392J	R\$1/10\$392J
R889		• • • • • • • • • • • • • • • • • • • •	RS1/10SOROJ	• • • • • • • • • • • • • • • • • • • •	
R892	RS1/1050R0J	RS1/10S0ROJ	RS1/105103J	RS1/ISSOROJ	RS1/10SORQJ
R897, 898	CCN1023 4.7kΩ	CCN1023 4.7kΩ	••••	CCN1023 4.7kΩ	CCH1023 4.7kG
C859, 860			CFA 10 0 M 2 5 L S		
C861, 862	•••••	• • • • • • • • • • • • • • • • • • • •	CC5CH330J50	••••	
C875. 876		•••••	CKSQYB182K25		

Unit Number : Unit Name : CD Tuner Unit(DEH-700SDK/WG)

MISCELLANEOUS

										Name	Part No.
	351										CXA1081Q
10	451	655	657	662	706						M5218FP
10	452										CWW1213
10	501										LC7218M
10	502										KHA172
10	601										CXA10828Q
10	651										AN8377N
10	668	669									LA6501-FA
10	701										CXD1167Q
10	703										SM5807ES-M
10	704										L C 7 8 8 1 MBM
	705										UPC358G2
	751										PD4231
	752										M51955AFP
	753										M54546AL
16	133										MJ4J4DAL
10	852										M5228FP
10	961										PA2018
0	351										2 S B 1 2 4 3
0	352	451	505	601	705	758 7	59	Chip	Tran	sistor	UN2211
Q	453	454	851	852	853	854	Chip	Trai	nsist	o r	DTC323TK
a	455	856				Chip	Trai	sist	o r		258709
0	502					Chip	Trai	nsisto	o r		2SC3098
Q	503	504	510	513	514	Chip	Trai	nsisto	o r		2502712
0	508					Chip	Trai	sist	o r		UN2212
Q	509					Chip	Trai	nsisto	r		2SC3295
Q	703	704				Chip	Tras	15151	nr.		UN2215
0	602							nsisto			2SD1048
•						p			• •		2001040

									Part No.
	651								2SD1760F5
-		706	752 754	770	Chin Te				UN2111
	653		132 134						2 S D 6 O 1 A
v	000	133			Chip Tr	# N S I S T O	r		ZODOVIA
0	751								2SD1859
0	755	756	757 761	762					2581238
			764 765		767 968	Chin T	ransi	stor	UN2211
	855				Chip Tr				UN2111
-	965	•••			• · · · • · · ·		•		2SD1684
									200.004
D	451	452	501 502	504	961 Chi	p Diode			MA151WK-MT
D	453	454			Chip Di	o d e			MA3047H
D	455	456	701 851				e		MA151WA-MN
								Diode	MA 153-MC
	652						•		RD11JSB1
		764	964 965						ERA15-02VH
-			904 903						HZS2ALL
-	661	002							
-	755				Chip Di				RD6R8JSB1 Ma3082h
-	854				CHIP DI	000			
U	963							•	RD5R6JSB!
ı	501	701	752		Ferri-1	nductor			CTF1082
į	751	961			ferri-l	nductor			LAU150K
	962				Inducto	r			CTF1081
В	P 401				Buzzer				CPV1010
G	900				Surge A	bsorber			ERZ-C07DK220
	/R 351				Semi-fi				CCP1005
	/R 352				Semi-fi				CCP1006
	/R 604				Semi-fi				CCP1015
	/R 651				Somi-fi				CCP1023
)	501				Crystal	Resona	tor		CSS1030
)	(502				Crystal	Resons	tor		CSS1061
	(701				Crystal	Resona	tor		CSS1052
	(751				Crystal	Resona	tor		CSS1023
	TH 351				Thermis				CCX1006
1	TH 751				Thermis	ter			CCX1007
					FM/AM T	uner Un	it		
RESIST									
									Part No.
			473 522						R\$1/10\$103J
-	341			• . ,					RD1/4PS221JL
		367	511 514	515	636 643				RS1/10S473J
 R				,					RS1/10S513J

dark	22	====										Part No.	
	R	334										 RS1/10S103	
	R	341										RD1/4PS221	IJŁ
	R	344	367	511	514	515	636	643				RS1/10S473	3 J
	R	345										R\$1/10\$513	} J
	R	351	352									RD1/4P\$116	Jί
	R	353	381	658	659	717	718	723	724	776		RS1/10S102	2 J
	R	354	378	548								RS1/10S153	3 J
	R	355	610									RS1/105113	j j
	R	356	357	358	359	517	669					R\$1/10\$563	3 J
	R	360	361	383	608							RS1/10S823	3 J
	R	362										RS1/10S564	4 J
	R	363	895	896	962							RS1/10S223	3 J
	R	364	365	618	671							RS1/10S10	5 J
	R	366	377	665	738	740	748					RS1/10S567	ĮΙ
	R	379	620									RS1/10S332	2 J
	R	380	617	625								RS1/10S203	3 J
	R	382	667									RS1/10S363	3 J
	R	384	451	452	630							RS1/10S273	3 J
	R	453										RS1/10S183	3 J
	R	454	530	532	536	537	702	706				RS1/10SOR) J
	R	455	456									RS1/10S472	2 J
	R	457	458									RS1/10S473	3 J
	R	459	460									RS1/10S332	2 J
		461										RS1/105163	3 J
	R	463	464	469	501	502	503	504	509	520	528	RS1/10S222	2 J

===		Circuit	Symbol	& No.	==:	== Part	Name	Part No.	Mark	==:		===	Cir	cuit 	Sym	bol ·	å No.		= P1	ert mame 	Part No.
	470 471	516 609	614 619	9 627	725 1	 126 164	 I	RS1/10S104J		C	356										CKSQYB332
R D	505 506	507 512	518 52	5 533 1	534 5	542		RS1/10S472J													
	508 523				• • • •			RS1/10S474J									653 6				CKSYB224K
		004 100						RS1/10S221J									665 6	75 67	11 1	57	CKSQYB473
	510 519 545							R\$1/10\$182J		C	370	373	627	877	878	879	880				CCSQCH220
ĸ	519 343									С	371	509	615	858							CKSQYB102
_								R\$1/10\$122J		C	372										CCSQCH150
	524							RS1/10S684J													
R	526	767 769	771 77	2 780	781	782 78	3	RS1/10S222J		С	451	452									CEA220M6R
		101 103	111 11	3 100	101	102 100	•	RS1/10S470J		С	453	454									CEALNP4R7
	543							R\$1/10\$101J			455										CEA4R7M50
R	544 546	601 602						W21/1021012					865	866	867	868	869 8	70 87	718	372	CCSCH330J
								R\$1/10\$821j									967 9				CEA101M10
	547 779							RS1/10S224J		٠			•••								
	606. 623									r	461	462	650	689	759	855	856				CEA100M25
R	607 760							RS1/10S683J		-	463		0 3 3	003		000	***				CEATOOMIC
R	611							RS1/10S432J													CCSQCH270
R	612							RS1/10S623J		-	501	302									CCSQSL561
											504										CEALNPART
R	613							RS1/10S624J		С	506	621									VERERFARI
	616 651	653						R\$1/10\$163J													
	621							R\$1/10\$184J		-	507										CSZSR47M2
	624 652	666						RS1/10S393J		C	512	853	854								CEA220M1
	628 668							RS1/10S183J		C	515	629	713	714							CKSQYB683
n	010 000									C	516	964	965	966							CEA470M1
	625 504	721 722						RS1/105822J		C	517	518	605	612	620	656	701	02 70	05 7	764	CKSYB1041
• • •		660 690						RS1/10S272J													
		000 030						RS1/10S362J		C	519	628	760								CKSQYB10
	644							RS1/10S392J			527										CCSQSL10
•••		887						· · · · · · · · · · · · · · · · · · ·		-	530										CSZSR33M
R	654							RS1/10S150J		-	533										CSZST4R7
										-			C 1 E	626			676	. 78 7	n n .	710	CKSQYBIO
	672							RS1/10S364J		ı	334	011	0 2 3	020	032	002	010	110 1	03	, , v	OKOGIDIO
R	673 69	729 730	732 73	33 734	735	736 75	3	RS1/10S473J													
R	674							RS1/10S133J		-	535										CCCSL330
R	676 67	i						RS1/10S201J					724								CKSQYB22
R	692 69	703 709	737 7	39 741	745	746 74	17	RS1/10S103J		C	606	616	711	712	?						CEA220M1
											508										CEALNP22
R	693 69	6						RS1/10S5R6J		С	609	715									CKSQYB47
		7 728 784	883 8	84				RS1/10S472J		r	610										CCSQCH22
		2 719 720						R\$1/10\$511J			613										CKSQYB22
	713 71							R\$1/10\$181J			617										CEA4R7M3
	715 71							RS1/10S244J		_	-										CKSQYB27
n	113 11	·									618										CCSQSL68
	140 74	2 744 754	1 152 1					R\$1/8\$182J		C	655										00343100
		3 744 754			,			R\$1/10\$103J										• • •			CCH1015
R		2 763 786	192 8	80 881				RS1/105562J			661					77	10 µ F/	104			CCSQCH09
R	750										703		l								
R	751 75							RS1/10S151J			716										CKSQYB47
R	755 75	7 759 799	797 7	98 799	į.			RD1/4PS103JL					753	97	2						CCSQCH47
										C	719	720)								CK SQYB68
R	761 78	8 791 793	872					RS1/10S473J													
R	766 76	8 770 78	871					RS1/10S104J		C	721										CEASSOMI
R	112 11	4						R\$1/10\$302J		C	751										CKSQYB10
	778							RS1/10S752J			752										CEA6R8M3
		9 790 869	870					R\$1/10\$222J			755		6								CCSQCH3C
					n		21.0							97	7 979)					CKSQYB47
		0 863 86				tor 4.		CCN1023		•				- /							
		2 865 861	•	Chip R	{ 8 S 1 S	tor 10	K 73	CCN1825		r	762	85	,								CKSQYB10
	867 86				_			R\$1/10\$102J			961		•			1	000 µ f	/16V			CCH1003
R	873 87	4 897 89	•			itor 4.		CCN1023								•	μ ι	,			CEARIOMS
R	875 87	6 879 88	0	Chip R	Resis	tor 12	kΩ	CCN1026			962										CEAORIMS
											963										CKSYBIO
R	885							R\$1/10\$682J		С	971	ı									CK3101V4
	892 89	3						RS1/10SOROJ													05410011
	961							RS1/10S220J			978										CEA100M1
	1001 10	02 1003						RD1/4PS103JL		С	986)									CEA330M1
ri,		1000																			

Mark	==											Part No.
	C	351	707	708	874	973						CEA101M6R3LS
	Ċ	352	355	505	513	520	521	522	523	525	526	CKSQYB103K50
		353										CKSQYB333K25
	Č	354	• • •									CASA100M6R3

D				Mark 		'	Circuit		■ MO. 		reft #1		Part No.
uner Unit	DEH-700SDK/WG	DEH-700/EW	DEH-600/EW		CF 51	52			eramic				CTF-182
ymbol & No.	Part No.	Part No.	Part No.		CF 201			С	eramic	Filter	•		CTF1041
C 5 0 2	KHA172				CF 202				ilter	_			CTF 1085
	258709				X 151				eramic				C\$\$1055
455	1	i			X 201			C	rystai	Resona	tor		CSS1014
1514	2SC2712	••••		1	VR 1			S	emi-fix	ed 101	Ω (B)		VRTB4VS103
455	MA151WA-MN	•••••			VR 51	101	102	S	emi-fix	ed 331	Ω (8)		VRTB4VS333
751 752 753	MA153-MC	MA 1 5 3 - MC							M Front		,- ,		CWB 1035
757 758 759		MA 1 5 3 - MC		RESI	STORS								
760	MA153-MC	MA 153-MC		Mark		===	Circuit	Symbol	& No	====	Part M		Part No.
502	CS\$1061												
1472, 473	RS1/10S103J				R 2	7							DC1/1AC222
514	RS1/10S473J		1										RS1/10S223
				i									R\$1/10\$124
526	RS1/10S684J			ļ	R 4								RS1/10S682
528	RS1/10S222J		1			13							RS1/10S0R0.
537	RS1/10SOROJ				R 6	59	101						RS1/10S331.
		l	1										001/10070-
713	RS1/10S222J	RS1/10S122J	R\$1/10\$122J		R 10								RS1/10S560
775	RS1/10S183J	RS1/10S183J	RS1/10S392J	'	R 54							•	RS1/105472
		Ì	1		R 56	58	104						RS1/10S393
463	CEA100M10LS2	••••			R 57								RS1/10S562
512	CEA220M16LS				R 60								RS1/10S473
513	CKSQYB103K50												
515	CKSQYB683K25		1		R 61	105							RS1/10S332
516	CEA470M16LS				R 64								RS1/103332
310	0144.04.06												
	00000110110	000001001150	00000100115	.	R 102								RS1/10S822
529	CCSQSL101J50	CCSQSL221J50	CCSQSL221J5	''	R 106								RS1/10S333
530 533	CSZSR33M35 CSZST4R7M35				R 107								RS1/10S102
	002014111#00		<u> </u>	i									RS1/10S104
					K 108								,
				<i></i>	R 108								RC1/10C193
Number					R 111								
nit Number:		- '. /DEIL 3000N /WO	.		R 111 R 112								RS1/105684J
it Name :		nit(DEH-700SDK/WG))		R 111 R 112 R 151 R 201	152	153						RS1/10S684. RS1/10S222.
nit Name : SCELLANEOUS rk ========	FM/AM Tuner U	nit (DEH-700SDK/WG) ol & Wo. ==== Par	rt Name Par	rt No.	R 111 R 112 R 151 R 201 R 202 R 203 R 204	152 206 213							RS1/10S123J RS1/10S684J RS1/10S222J RS1/10S220J RS1/10S681J RS1/10S473J
it Name : SCELLANEOUS rk ====================================	FM/AM Tuner U		rt Name Par	1012	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205	152 206 213 209							RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S222 RS1/10S473 RS1/10S470
it Name : SCELLANEOUS rk ========= iC 51 iC 201	FM/AM Tuner U	ol & No. ==== Par	rt Name Par PA4 PA4	 4012 4010	R 111 R 112 R 151 R 201 R 202 R 203 R 204	152 206 213 209							RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S222 RS1/10S473 RS1/10S470
it Name : SCELLANEOUS rk ======== iC 51 IC 201 Q 1	FM/AM Tuner U	ol & No. ==== Par	rt Name Par PA4I PA4I 2SB	 1012 1010 3709	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207	152 206 213 209	214						RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S222 RS1/10S473 RS1/10S822
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 20	FM/AM Tuner U	ol & Wo. ==== Per 	rt Name Par PA4 PA4 2SB DTC	 1012 1010 3709 C124EK	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207	152 206 213 209	214						RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S682 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S822
it Name : SCELLANEOUS rk ======== iC 51 iC 201 Q 1	FM/AM Tuner U	ol & No. ==== Par	rt Name Par PA4 PA4 2SB DTC	 1012 1010 3709	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207	152 206 213 209	214						RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S682 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S822
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner U	ol & Wo. ==== Per 	rt Name Par PA4 PA4 2SB DTC	 1012 1010 3709 C124EK	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207	152 206 213 209	214		·				RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S682 RS1/10S470 RS1/10S822 RS1/10S822 RS1/10S823 RS1/10S823
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 20 0 51 0 101	FM/AM Tuner U	ol & Wo. ==== Per 	rt Name Par PA41 PA41 2SB DTC DTA	1012 1010 1709 C124EK 1114TK	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210	152 206 213 209	214						RS1/105684. RS1/105222. RS1/105220. RS1/105681. RS1/105222. RS1/105473. RS1/105473. RS1/105472. RS1/105822.
it Name : SCELLANEOUS rk ========= iC 51 IC 201 Q 1 Q 2 20 Q 51 Q 101 Q 201	FM/AM Tuner U	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	PA41 PA41 PA41 PA41 PA41 PA41 PA41 PA41	1012 1010 1709 12124EK A114TK D1819 CAPA	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS	206 213 209	214						RS1/105884 RS1/105222 RS1/105220 RS1/105881 RS1/105222 RS1/105470 RS1/105470 RS1/105822 RS1/105103 RS1/105682 RS1/105153
rk ====================================	FM/AM Tuner U	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	PA41 PA41 2SB DTC DTA 2SD 2SK.	1012 4010 3709 5124EK A114TK 51819 6435 CAPA	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS	206 213 209	214	Symbol	å No.	****	Part N		RS1/105684. RS1/105222. RS1/105220. RS1/105681. RS1/105222. RS1/105473. RS1/105473. RS1/105472. RS1/105822.
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 20 0 51 q 101 0 201 0 202 D 201 20	FM/AM Tuner U	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	PA41 PA41 2SB DTC DTA 2SD 2SK 2SC MA1	1012 1010 1709 1124EK 1114TK 11819 CAPA (435 Mark 157-MR	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS	206 213 209 211	214	Symbo!	& No.		Part N	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S222 RS1/10S473 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S103
it Name : SCELLANEOUS rk ========= iC 51 iC 201 0 1 0 2 20 0 51 Q 101 Q 201 Q 201 Q 202	FM/AM Tuner U	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	PA41 PA41 2SB DTC DTA 2SD 2SK 2SC MA1	1012 4010 3709 5124EK A114TK 51819 6435 CAPA	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS	206 213 209 211	214 212 Circuit	Symbo!	& Mo.	****	Part N	lane	RS1/105684 RS1/105222 RS1/105581 RS1/105581 RS1/105582 RS1/105473 RS1/105470 RS1/105822 RS1/105822 RS1/105882 RS1/105582 RS1/105582 RS1/105582
it Name : SCELLANEOUS TR ===================================	FM/AM Tuner U	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	PA41 PA41 2SB DTC DTA 2SD 2SK 2SC MA1	1012 1010 1709 1124EK 1114TK 11819 CAPA (435 Mark 157-MR	R 111 R 112 R 151 R 201 R 202 R 203 R 203 R 207 R 208 R 210 R 215 CITORS	206 213 209 211	214 212 Circuit	Symbol	å No.		Part N	lane	RS1/10S684 RS1/10S222 RS1/10S581 RS1/10S520 RS1/10S220 RS1/10S473 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S82 RS1/10S82 RS1/10S103 RS1/10S82 RS1/10S153
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor	rt Name Par PA4 PA4 2SB DTC DTA 2SD 2SK 2SC MA1 SVC	1012 1010 1709 1124EK 1114TK 11819 CAPA (435 Mark 157-MR	R 111 R 112 R 151 R 201 R 202 R 203 R 203 R 207 R 208 R 210 R 215 CITORS	206 213 209 211	214 212 Circuit	Symbol	& No.	****	Part N:	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S622 RS1/10S470 RS1/10S622 RS1/10S682 RS1/10S682 RS1/10S682 RS1/10S153
it Name : SCELLANEOUS rk ======== iC 51 iC 201 0 1 0 2 20 0 51 Q 101 0 201 0 202 D 201 D 205 L 1 5	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode	Parrell Name Parre	0112 0010 0100 0124EK 0114TK 01819 CAPA 0435 Mark 157-MR	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 207 R 208 R 210 R 215 CITORS ===== C 1 C 2 C 4	206 213 209 211	214 212 Circuit	Symbol	& No.		Part N	lane	RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S472 RS1/10S470 RS1/10S472 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S153
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor	PA41 PA41 2SB DTC DTA 2SD 2SK: 2SC: MA1' SVC:	1012 1010 10709 1124EK 1114TK 11819 CAPA (435 Mark 157-MR	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ====== C 1 C 2 C 4 C 52	206 213 209 211	214 212 Circuit	Symbo!	& No.	****	Part N	lane	RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S473 RS1/10S473 RS1/10S470 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S153
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor	PA41 PA41 PA41 PA5 PA7 PA41 PA41 PA41 PA41 PA41 PA41 PA41 PA41	1012 1010 1709 1214EK 1114TK 11819 1435 1435 1435 157-MR 157-MR 15086 11104 11086 11126	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 207 R 208 R 210 R 215 CITORS ===== C 1 C 2 C 4	206 213 209 211	214 212 Circuit	Symbol	ā No.	****	Part N:	lane	RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S473 RS1/10S473 RS1/10S470 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S153
it Name : SCELLANEOUS rk ========= iC 51 IC 201 0 1 0 2 20 0 51 0 101 0 201 0 202 D 201 20 D 205 L 1 5 L 2 L 101 L 201	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor	PA41 PA41 PA41 PA5 PTA	1012 1010 1709 12124EK 1114TK 11819 1435 1435 1435 1435 157-MR 157-MR 16086 161086 161126	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 2 C 4 C 52 C 54	206 213 209 211	214 212 Circuit	Symbol	& No.		Part N:	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S103 RS1/10S103 RS1/10S103 Part No. CKSQYB102K CKSQYB102K CKSQYB103K CKSQYB103K CKSQYB223K CCSQSL101J
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor	PA41 PA41 PA41 PA5 PTA	1012 1010 1709 1214EK 1114TK 11819 1435 1435 1435 157-MR 157-MR 15086 11104 11086 11126	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ===== C 1 C 2 C 52 C 54 C 55	206 213 209 211	214 212 Circuit	Symbol	€ No.		Part N	lane 	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S682 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S103 Port No. CKSQYB102K CKSQYB103K CKSQYB103K CCSQSL101J CKSQYB102K
it Name : SCELLANEOUS rk ======== iC 51 IC 201 Q 1 Q 2 20 Q 51 Q 201 Q 201 Q 202 D 201 20 D 205 L 1 5 L 2 L 101 L 201 L 203	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Inductor Ferri-Inductor	Par- PA4	1012 1010 1709 1214EK 1114TK 11819 1435 12412K 157-MR 157-MR 157-MR 15104 161086 161126 161084	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ===== C 1 C 2 C 4 C 52 C 54 C 55 C 56	206 213 209 211	214 212 Circuit	Symbol	& No.	****	Part N:	lane 	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S682 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. CKSQYB102K CKSQYF4732 CKSQYF4732 CKSQYF4732 CKSQYF1042
it Name : SCELLANEOUS rk ========= iC 51 IC 201 0 1 0 2 20 0 51 0 101 0 201 0 202 D 201 20 D 205 L 1 5 L 2 L 101 L 201	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor	Par- PA4	1012 1010 1709 12124EK 1114TK 11819 1435 1435 1435 1435 157-MR 157-MR 16086 161086 161126	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ===== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57	206 213 209 211	214 212 Circuit	Symbo!	ê No.	****	Part N:	lan e	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S6822 RS1/10S470 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S103 RS1/10S82 CKSQYB102K CKSQYB102K CKSQYB103K CKSQYB103K CKSQYB103K CKSQYB103K CKSQYB103K CKSQYB101J CKSQYB102K CKSQYB1047 CKSQYB1047 CKSQYB1047 CKSQYB1047 CEAR47M50L
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Inductor Ferri-Inductor	Part Name Part PA44 PA44 PA44 PA44 PA44 PA44 PA44 PA4	1012 1010 1709 1214EK 1114TK 11819 1435 12412K 157-MR 157-MR 157-MR 15104 161086 161126 161084	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ====== C 1 C 2 C 4 C 52 C 54 C 55 C 57 C 58	206 213 209 211	214 212 Circuit	Symbol	ā No.	****	Part N.	lan e	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S6822 RS1/10S470 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S103 RS1/10S82 CKSQYB102K CKSQYB102K CKSQYB103K CKSQYB103K CKSQYB103K CKSQYB103K CKSQYB103K CKSQYB101J CKSQYB102K CKSQYB1047 CKSQYB1047 CKSQYB1047 CKSQYB1047 CEAR47M50L
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor	rt Name Par PA4i PA4i 2SB DTC DTA 2SD 2SK. 2SC: MA1: SVC: CTF CTF CTF LAU: LAU: LAU.	1012 1010 1709 12124EK 1114TK 101819 CAPA 12412K Mark 157-MR 15086 11104 11126 11084 1220K	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ===== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57	206 213 209 211	214 212 Circuit	Symbo!	å №o.		Part N:	lane 	RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S473 RS1/10S473 RS1/10S822 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. CKSQYB102K CKSQYF4132 CKSQYF4132 CKSQYF4132 CKSQYF10S103 CKSQYF4132 CKSQYF1042 CKSQYF1042 CKSQYF1042 CKSQYF1042 CCSQCH060D
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor	Part Name Part PA41 PA41 PA41 2SB DTC DTA 2SD 2SK. 2SC: MA1' SVC: CTF CTF CTF LAU: LAU: CTF	1012 1010 1709 1214EK 1114TK 1819 1435 1435 157-MR 157-MR 157-MR 1503-AB 11104 1104 11086 11126 11126 11126 11126 1120K 1470K 1470K 1470K 1470K 1470K 1470K 1470K	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 R 215 CITORS ====== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58	206 213 209 211	214 212 Circuit	Symbol	& No.		Part N:	lane 	RS1/10S684 RS1/10S222 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S473 RS1/10S822 RS1/10S822 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S103 CKSQYB102K CKSQYB103K CKSQYF473Z CKSQYB103K CKSQYF473Z CKSQYB102K CKSQYB102K CKSQYB102K CKSQYF104Z CKSQYF104Z CKSQYF104Z CKSQYF104Z CKSQYF104Z CCSQCH060D
it Name : SCELLANEOUS rk ========= iC 51 iC 201 0 1 0 2 20 0 51 Q 101 0 201 0 202 D 201 D 205 L 1 5 L 2 L 101 L 201 L 203 L 204 L 205 L 206 T 51	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil	PATION PA	1012 1010 1709 12124EK 1214EK 1214EK 1214EK 1214EK 1214EK 1815 CAPA 1876	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 215 CITORS ====== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58 C 60	206 213 209 211	214 212 Circuit	Symbo!	& No.	****	Part N	lane	RS1/10S684 RS1/10S222 RS1/10S222 RS1/10S681 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S103 CKSQYF103 CKSQYF103 CKSQYF103 CKSQYF1047 CEAR47M50L CCSQCH060D CEALMP100M
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor	PATION PA	1012 1010 1709 1214EK 1114TK 1819 1435 1435 157-MR 157-MR 157-MR 1503-AB 11104 1104 11086 11126 11126 11126 11126 1120K 1470K 1470K 1470K 1470K 1470K 1470K 1470K	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 215 C ITORS ====== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 56 C 57 C 101	206 213 209 211	214 212 Circuit	Symbo!	& Mo.	****	Part N	lane 	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S682 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S103 RS1/10S103 RS1/10S1682 RS1/10S153 Pert No. CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYF1047 CEAR47M50LD CEALNP100M CKSQYB822K
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil	PATENAME PATENAMENT PA	1012 1010 1709 12124EK 1114TK 11819 1435 122412K 157-MR 157-MR 1086 1104 11086 11126 11084 1220K 1470K 1477K 1-157 11021	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102	206 213 209 211	214 212 Circuit	Symbo!	å No.		Part N:	lane 	RS1/10S684 RS1/10S222 RS1/10S222 RS1/10S222 RS1/10S222 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S103 RS1/10S103 RS1/10S1682 RS1/10S153 Part No. CKSQYB102K CKSQYB822K CKSQYB822K CKSQYB822K CKSQYB822K CKSQYB822K
it Name : SCELLANEOUS Tk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil	Part Name Part PA44 PA44 PA44 PA44 PA44 PA44 PA44 PA4	1012 1010 1709 1214EK 1114TK 11819 1435 122412K 157-WR 157-WR 1086 11104 1086 11126 1126 1126 1127 1120K 1470K	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 2 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103	206 213 209 211	214 212 Circuit	Symbol	& No.		Part N	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S6822 RS1/10S470 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. ————————————————————————————————————
it Name : SCELLANEOUS Tk ========	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil	Part Name Part PA44 PA44 PA44 PA44 PA44 PA44 PA44 PA4	1012 1010 1709 12124EK 1114TK 11819 1435 122412K 157-MR 157-MR 1086 1104 11086 11126 11084 1220K 1470K 1477K 1-157 11021	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103 C 105	206 213 209 211	214 212 Circuit	Symbo!	& No.	****	Part N	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S6822 RS1/10S470 RS1/10S470 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. ————————————————————————————————————
It Name : SCELLANEOUS Tk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil	Part Name Part Part Part Part Part Part Part Part	1012 1010 1709 1214EK 1114TK 11819 1435 122412K 157-WR 157-WR 1086 11104 1086 11126 1126 1126 1127 1120K 1470K	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 2 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103	206 213 209 211	214 212 Circuit	Symbol	& No.	****	Part N:	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S682 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. CKSQYB102K CKSQYB102K CKSQYB103K CKSQYB102K CKSQYB102K CKSQYF1047 CEAR47M50L CCSQCH060D CEALWP100M CKSQYB822K CKSQYB822K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CEA2R2M50L
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil	rt Name Par- PA4i PA4i PA4i PA4i PS B DTC DTA 2 SD 2 SK. 2 SC. MA1: SVC: CTF	1012 1010 1709 1214EK 1114TK 11819 1435 122412K 157-MR 157-MR 1086 11126 11086 11126 11084 1220K 1470K 1	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103 C 105	206 213 209 211	214 212 Circuit	Symbol	å No.		Part N.	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S682 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. CKSQYB102K CKSQYB102K CKSQYB103K CKSQYB102K CKSQYB102K CKSQYF1047 CEAR47M50L CCSQCH060D CEALWP100M CKSQYB822K CKSQYB822K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CKSQYB392K CEA2R2M50L
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil	Part Name Part Padd Padd Padd Padd Padd Padd Padd Pad	1012 1010 1709 124EK 1114TK 1819 18435 18435 1874 1875 1874 1	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 210 C 110 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103 C 105	206 213 209 211 3 51 53	214 212 Circuit	Symbol	& No.		Part N	lane 	RS1/10S684 RS1/10S222 RS1/10S222 RS1/10S681 RS1/10S682 RS1/10S473 RS1/10S473 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S153 Part No.
CELLANEOUS CEL	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil	Part Name Part Padd Padd Padd Padd Padd Padd Padd Pad	1012 1010 1709 12124EK 1114TK 11819 1435 157-MR 157-MR 157-MR 15104 151086 11126 11086 11126 11084 1220K 1470K 1470K 1470K 1470K 1470K 157-MR 157-MR	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 215 CITORS ====== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103 C 105 C 106	206 213 209 211 3 51 53	214 212 Circuit	Symbol	& No.		Part N	lane 	RS1/10S684 RS1/10S222 RS1/10S220 RS1/10S681 RS1/10S682 RS1/10S473 RS1/10S473 RS1/10S822 RS1/10S103 RS1/10S682 RS1/10S103 RS1/10S103 RS1/10S103 RS1/10S103 CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYF104Z CKSQYB102K CCSQCH0060D CCSQCH0060D CCKSQYB822K CKSQYB8822K CKSQYB8822K CKSQYB8822K CCKSQYB882ZK CCKSQYBSR CCKSQYBSR
it Name : SCELLANEOUS rk ===================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil Coil	Part Name Part PA44 PA44 PA44 PA44 PA44 PA44 PA44 PA4	1012 1012 1010 1709 1214EK 1114TK	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 215 CITORS C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 57 C 101 C 102 C 103 C 105 C 106 C 107 C 110	206 213 209 211 3 51 53	214 212 Circuit	Symbo!	& No.	****	Part N	lane	RS1/10S684 RS1/10S222 RS1/10S222 RS1/10S222 RS1/10S222 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S103 RS1/10S103 RS1/10S153 Pert No. CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB102K CKSQYB1047
Trk ====================================	FM/AM Tuner Ui Circuit Symb 3 205	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil Coil	PATION PORTON PAGE PAGE PAGE PAGE PAGE PAGE PAGE PAGE	1012 1012 1010 1709 12124EK 1114TK 11819 1435 122412K 157-MR 157-MR 1086 1104 11086 11126 11084 1220K 1470K 1470K 1477K 1-157 11021 11022 131020 131020 131020 131039	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 215 C ITORS ====== C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 58 C 60 C 101 C 102 C 103 C 105 C 106 C 107 C 110 C 111	206 213 209 211 3 51 53	214 212 Circuit	Symbol	ā No.	****	Part M	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S222 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S470 RS1/10S482 RS1/10S103 RS1/10S682 RS1/10S153 Pert No. CKSQYB102K CKSQYB10AK CK
SCELLANEOUS SCELLANEOUS SCELLANEOUS STR	FM/AM Tuner Ui Circuit Symbo	Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Transistor Chip Diode Capacitance Diode Inductor Inductor Inductor Ferri-Inductor Ferri-Inductor Ferri-Inductor Coil Coil Coil Coil Coil	Par- PA4	1012 1012 1010 1709 1214EK 1114TK	R 111 R 112 R 151 R 201 R 202 R 203 R 204 R 205 R 207 R 208 R 215 CITORS C 1 C 2 C 4 C 52 C 54 C 55 C 56 C 57 C 57 C 101 C 102 C 103 C 105 C 106 C 107 C 110	206 213 209 211 3 51 53	214 212 Circuit	Symbol	å No.		Part N:	lane	RS1/10S684 RS1/10S222 RS1/10S681 RS1/10S681 RS1/10S222 RS1/10S470 RS1/10S470 RS1/10S682 RS1/10S103 RS1/10S682 RS1/10S153

			CSZAR47M35L	D 201 204	Chip Diode	MA157-MR
C 153	156		CEASRSMEDLS			
C 154 155	1 1 2 0		CEATOIMIOLS	D 205 Varia	ble Capacitance Diode	SVC203-AB
C 157			CKSQYB103K25	L 1 51	Inductor	CTF1104
C 201 223			CKSQYB332K50	L 11 12	Inductor	CTF1065
C 202 212	1		0.02/0001.00	L 101	Inductor	CTF1126
C 262 211	. 216 210 226		CKSQYF473225	L 201	Inductor	CTF1026
	5 216 219 226		CKSQYB223K25			
C 204 204	3 210		CCSQCH220J50	L 203	Ferri-Inductor	LAU220K
C 205			CCSQCH820J50	L 204	Ferri-Inductor	LAU470K
C 206 201			CEA2R2M50LS2	L 205	Ferri-Inductor	LAU4R7K
C 211			CEMEREMSOLSE	L 206	Ferri-Inductor	CTF-157
			CCSQCH390J50	T 51	Coil	CTE1021
C 213 C 218			CEALNP2R2M35			
C 220			CCSQCH430J50	T 52	Coil	CTE1022
C 221			CCSQCH100D50	T 201	Coil	CTB1020
				7 202	Coil	CTB1004
C 222			CSZA010K35L	T 203	Coil	CTB1040
0 004			05443041616	T 204	Coil	CTE1037
C 224			CEA470M16LS			
C 225			CKSQYB333K25	T 205	Coit	CTE1038
C 227			CEA4R7M35LS	T 206	Coil	CTE1039
C 229			CEA470M16LS	CG 1	Surge Protector	DSP-201M
C 230			CEA220M16LS	TH 51 102	Thermister	DTN-T204D1
				CF 51 52	Ceramic Filter	CTF-182
	T	T	<u></u>			
M/AM	Î	DEH-700/EW	1	CF 201	Ceramic Filter	CTF1041
uner Unit	DEH-700SDK/WG	DEH-600/EW	DEH-750/ES	CF 202	filter	CTF1085
	 			X 151	Ceramic Resonator	CSS1055
Symbol & No.	Part No.	Part No.	Part No.	X 201	Crystal Resonator	CSS1014
,			 		•	
151	DTA114TK			VR 1	Semi-fixed 100kΩ(B)	VRTB4VS104
	B .	CTF1086		VR 51 101 102	0: (: 201-0-/0)	VRTB4VS333
2	1 1.17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	CTF1086	1	CTF 1026	VR 31 101 102	Semi-fixed 33kΩ (B)	
L201	CTF1084	CTF1084	CTF 1026 VRTB4VS103	4R 57 101 102	fM Front End	CWB 1035
L201 VR1	i .	1	CTF 1026 VRTB 4VS 103 RS 1/10 SOROJ			
L201 VR1	CTF1084 VRTB4VS103	CTF1084 VRTB4VS103	VRTB4VS103	RESISTORS	FM Front End	CWB 1035
L201 VR1 R14	CTF1084 VRTB4VS103	CTF1084 VRTB4VS103	VRTB4VS103	RESISTORS		CWB 1035
L201 VR1 R14	CTF1084 VRTB4VS103 RS1/10S473J	CTF1084 VRTB4VS103	VRTB4VS103 RS1/10S0R0J	RESISTORS Mark ======= Circuit	FM Front End	CWB1035 Part No.
L 201 VR 1 R 1 4 R 6 0 R 6 1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J	CTF1084 VRTB4VS103 RS1/10S332J	VRTB4VS103 RS1/10S0R0J	RESISTORS Mark ====== Circuit R 2 7 9 58	FM Front End	Part No
L2 L201 VR1 R14 R60 R61 R101 R151, 152	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J	VRTB4VS103 RS1/10S0R0J RS1/10S471J	RESISTORS Mark ====== Circuit R 2 7 9 58 R 3	FM Front End	Part No
L 201 VR 1 R 14 R 60 R 61 R 101 R 151, 152	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4	FM Front End	Part No. RS1/10S223J RS1/10S683J RS1/10S682
L 201 VR1 R14 R60 R61 R101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J	VRTB4VS103 RS1/10S0R0J RS1/10S471J	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63	FM Front End	Part No. RS1/10S223. RS1/10S683. RS1/10S682. RS1/10S682.
L 201 VR1 R14 R60 R61 R101 R151, 152 C101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50	WRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4	FM Front End	Part Mo. RS1/10S223. RS1/10S683. RS1/10S682. RS1/10S682.
L201 VR1 R14 R60 R61 R101 R151, 152 C101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59	FM Front End	Part No. RS1/10S223. RS1/10S683. RS1/10S682. RS1/10S0R0. RS1/10S331.
201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LS2 CEA220M6R3LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11	FM Front End	Part No. RS1/10S223 RS1/10S683 RS1/10S682 RS1/10S0R0 RS1/10S331
L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59	FM Front End	Part No. R\$1/10\$223. R\$1/10\$683. R\$1/10\$684. R\$1/10\$331. R\$1/10\$104 R\$1/10\$470
L 201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11	FM Front End	Part No. R\$1/10\$223. R\$1/10\$683. R\$1/10\$683. R\$1/10\$331. R\$1/10\$331.
201 (R1) (114) (160) (161) (1101) (1101) (1105) (1106) (1110)	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12	FM Front End	Part No. R\$1/10\$223. R\$1/10\$683. R\$1/10\$682. R\$1/10\$080. R\$1/10\$331. R\$1/10\$104 R\$1/10\$470 R\$1/10\$333
201 (R1) (R1) (R1) (R6) (R6) (R6) (R1) (R1) (R1) (R1) (R1) (R1) (R1) (R1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA0R1M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA270M5R3LL CEA010M50LL CEA100M16LL CEA0R1M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54	FM Front End	Part No. R\$1/10\$223. R\$1/10\$683. R\$1/10\$682. R\$1/10\$080. R\$1/10\$331. R\$1/10\$104 R\$1/10\$470 R\$1/10\$333
201 (R1 (R1 (R1 (R1 (R1) (R1) (R1) (R1) (R	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA0R1M50LL CKSQYB273K25	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA0R1M50LL CKSQYB333K25	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104	FM Front End	Part No. R\$1/10\$223. R\$1/10\$223. R\$1/10\$683. R\$1/10\$080. R\$1/10\$031 R\$1/10\$104 R\$1/10\$470 R\$1/10\$393
201 (R1) (R1) (R1) (R1) (R1) (R1) (R1) (R1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00TM50LL CKSQY8273K25 CEA3R3M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA270M6R3LL CEA010M50LL CEA010M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104	FM Front End	Part No
201 R1 (14 (160 (161 (1101 (1151, 152 (105, 211 (106 (111) (CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA2OM6R3LS CEA010M50LS2 CEA010M50LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUP2R2M35	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQY8273K25 CEA3R3M50LL CEA2R2M35HPLL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA010M50LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57	FM Front End	Part No. RS1/10S223 RS1/10S683 RS1/10S682 RS1/10S0R0 RS1/10S104 RS1/10S472 RS1/10S472 RS1/10S472 RS1/10S562
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00TM50LL CKSQY8273K25 CEA3R3M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101	FM Front End	Part No. R\$1/10\$223. R\$1/10\$283. R\$1/10\$683. R\$1/10\$104 R\$1/10\$470 R\$1/10\$472 R\$1/10\$562 R\$1/10\$222 R\$1/10\$471
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA2OM6R3LS CEA010M50LS2 CEA010M50LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUP2R2M35	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQY8273K25 CEA3R3M50LL CEA2R2M35HPLL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA010M50LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102	FM Front End	Part No. RS1/10S223. RS1/10S683. RS1/10S682. RS1/10S0R0. RS1/10S104. RS1/10S470. RS1/10S393. RS1/10S562. RS1/10S222. RS1/10S227.
L201 VR1 R14 R60 R61 R151, 152 C101 C105, 211 C106 C110 C111 C112 C154, 155, 156 C218 C224	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA20M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEALNP2R2M35	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQY8273K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105	FM Front End	CWB 1035
L 201 VR1 R14 R60 R61 R101 R151, 152 C101	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA20M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEALNP2R2M35	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQY8273K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102	FM Front End	Part No. RS1/10S223. RS1/10S682. RS1/10S682. RS1/10S0R0. RS1/10S104 RS1/10S470 RS1/10S393 RS1/10S562 RS1/10S222 RS1/10S471 RS1/10S471 RS1/10S472 RS1/10S472
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKS0YB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKS0YB273K25 CEA3R3M50LS CEALPP2R2M35 CEA470M16LS CEA220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA00R1M50LL CKSQY8273K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106	FM Front End	Part No. R\$1/10\$223. R\$1/10\$682. R\$1/10\$682. R\$1/10\$682. R\$1/10\$331 R\$1/10\$104 R\$1/10\$470 R\$1/10\$393 R\$1/10\$562 R\$1/10\$222 R\$1/10\$3232 R\$1/10\$333 R\$1/10\$333
L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C224 C230	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA010M50LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL CEA470M16LL CEA420M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107	FM Front End	Part No. RS1/10S223 RS1/10S682 RS1/10S682 RS1/10S0R0 RS1/10S104 RS1/10S470 RS1/10S470 RS1/10S472 RS1/10S472 RS1/10S472 RS1/10S472 RS1/10S473 RS1/10S473 RS1/10S473 RS1/10S473 RS1/10S473 RS1/10S473 RS1/10S473
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA010M50LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108	FM Front End	Part No. RS1/10S223. RS1/10S683. RS1/10S682. RS1/10S0R0. RS1/10S104 RS1/10S470. RS1/10S470. RS1/10S472. RS1/10S422. RS1/10S222. RS1/10S822. RS1/10S823. RS1/10S333. RS1/10S333. RS1/10S333.
201 /R1 R14 R60 R60 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 R1t Number :	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA010M50LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL CEA470M16LL CEA420M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111	FM Front End	Part No. R\$1/10\$223. R\$1/10\$283. R\$1/10\$683. R\$1/10\$104 R\$1/10\$104 R\$1/10\$472 R\$1/10\$552 R\$1/10\$222 R\$1/10\$333 R\$1/10\$332 R\$1/10\$333 R\$1/10\$333 R\$1/10\$332
L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 nit Number:	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA010M50LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS2 CEAUDM16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL CEA010M50LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA470M16LL CEA470M16LL CEA420M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112	FM Front End	Part No. R\$1/10\$223. R\$1/10\$283. R\$1/10\$682. R\$1/10\$104. R\$1/10\$104. R\$1/10\$472. R\$1/10\$562. R\$1/10\$222. R\$1/10\$333. R\$1/10\$333. R\$1/10\$102471. R\$1/10\$333. R\$1/10\$102471. R\$1/10\$472. R\$1/10\$562.
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 R1t Number : R1t Number :	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA2C0M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUPPPR2M35 CEA470M16LS CEA470M16LS CEA220M16LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA220M6R3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA010M50LL CEA071M50LL CEA2R2M35NPLL CEA470M16LL CEA420M16LL CEA220M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA270M6R3LL CEA100M16LL CEA010M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M55NPLL CEA470M16LL CEA470M16LL CEA420M16LL CEA420M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111	FM Front End	Part No. R\$1/10\$223. R\$1/10\$283. R\$1/10\$683. R\$1/10\$104 R\$1/10\$104 R\$1/10\$472 R\$1/10\$552 R\$1/10\$222 R\$1/10\$333 R\$1/10\$332 R\$1/10\$333 R\$1/10\$333 R\$1/10\$332
L201 VR1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 D1t Number: D1SCELLANEOUS	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA2COMER3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA2R2M35NPLL CEARRAMSOLL CEARRAMS	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA270M6R3LL CEA010M50LL CEA010M16LL CEA0R1M50LL CKSQYB333K25 CEA3R3M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152	FM Front End	Part No. R\$1/10\$223. R\$1/10\$682. R\$1/10\$682. R\$1/10\$104 R\$1/10\$104 R\$1/10\$470 R\$1/10\$472 R\$1/10\$471 R\$1/10\$471 R\$1/10\$471 R\$1/10\$332 R\$1/10\$332 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 Dit Number: SCELLANEOUS ark ========	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA2COMER3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA2R2M35NPLL CEARRAMSOLL CEARRAMS	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA010M16LL CEA0R1M50LL CEA0R1M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M16LL CEA220M16LL H-80/US. DEH-650/UC)	RESISTORS Mark ======= Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153	FM Front End	Part Mo. R\$1/10\$223, R\$1/10\$683, R\$1/10\$682, R\$1/10\$682, R\$1/10\$104 R\$1/10\$331, R\$1/10\$10470 R\$1/10\$470 R\$1/10\$471 R\$1/10\$471 R\$1/10\$471 R\$1/10\$332 R\$1/10\$333 R\$1/10\$102 R\$1/10\$104
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 Dit Number: SCELLANEOUS	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA2COMER3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA2R2M35NPLL CEARRAMSOLL CEARRAMS	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA010M16LL CEA0R1M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL PA4012	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201	FM Front End	Part Mo. R\$1/10\$223. R\$1/10\$683. R\$1/10\$682. R\$1/10\$682. R\$1/10\$331. R\$1/10\$104 R\$1/10\$470 R\$1/10\$470 R\$1/10\$472 R\$1/10\$472 R\$1/10\$472 R\$1/10\$472 R\$1/10\$472 R\$1/10\$472 R\$1/10\$472 R\$1/10\$473 R\$1/10\$562 R\$1/10\$333 R\$1/10\$333 R\$1/10\$332 R\$1/10\$333 R\$1/10\$334 R\$1/10\$102 R\$1/10\$104 R\$1/10\$105 R\$1/10\$104 R\$1/10\$123 R\$1/10\$222 R\$1/10\$222
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 Dit Number: SCELLANEOUS ark ========	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEALNP2R2M35 CEALNP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA2COMER3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA2R2M35NPLL CEARRAMSOLL CEARRAMS	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA470M16LL CEA2R2M35NPLL CEA470M16LL CEA220M16LL CEA220M16LL H-80/US. DEH-650/UC) rt Name Part No. PA4012 PA4010	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202	FM Front End	CWB1035 Part Mo. R\$1/10\$223 R\$1/10\$683 R\$1/10\$682 R\$1/10\$104 R\$1/10\$470 R\$1/10\$470 R\$1/10\$470 R\$1/10\$472 R\$1/10\$472 R\$1/10\$222 R\$1/10\$333 R\$1/10\$333 R\$1/10\$333 R\$1/10\$333 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$103 R\$1/10\$103 R\$1/10\$103 R\$1/10\$103 R\$1/10\$103 R\$1/10\$103
201 /R1 R14 R60 R60 R61 R101 R151, 152 C101 C105, 211 C106 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 D1t Number: D1SCELLANEOUS B1K ====================================	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKSQYB273K25 CEA3R3M50LS CEAUP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LL CEA2COMER3LL CEA100M16LL CEA100M16LL CEA100M16LL CEA2R2M35NPLL CEARRAMSOLL CEARRAMS	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA010M50LL CEA010M16LL CEA0R1M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL PA4012	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214	FM Front End	Part No. RS1/10S223 RS1/10S682 RS1/10S682 RS1/10S0R0 RS1/10S104 RS1/10S104 RS1/10S472 RS1/10S474 RS1/10S472 RS1/10S474
201 /R1 R14 R60 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 R1t Number: R1C S1 IC S1 IC 201 Q 1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA010M50LS2 CEA10M16LS2 CEAUP2R2M35 CEAUP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA10M16LL CEA071M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA470M16LL CEA2R2M35NPLL CEA470M16LL CEA220M16LL CEA220M16LL H-80/US. DEH-650/UC) rt Name Part No. PA4012 PA4010	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202	FM Front End	Part No. RS1/10S223 RS1/10S682 RS1/10S682 RS1/10S0R0 RS1/10S104 RS1/10S104 RS1/10S472 RS1/10S474 RS1/10S472 RS1/10S474
201 R1 R	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA10M16LS2 CEA10M16LS2 CEA1WP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA10M50LL CEA07M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA470M16LL CEA2R2M35NPLL CEA220M16LL CEA220M16LL H-80/US. DEH-650/UC) rt Name Part No. PA4012 PA4010 258709	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213	FM Front End	CWB1035 Part No. R\$1/10\$223 R\$1/10\$683 R\$1/10\$682 R\$1/10\$331 R\$1/10\$104 R\$1/10\$472 R\$1/10\$472 R\$1/10\$562 R\$1/10\$222 R\$1/10\$333 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$123 R\$1/10\$123 R\$1/10\$123 R\$1/10\$222
201 R1 R	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA10M16LS2 CEA10M16LS2 CEA1WP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA10M50LL CEA22M50LL CEA22M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA220M6LL CEA2R2M35NPLL CEA270M16LL CEA220M16LL CEA220M16LL CEA220M16LL PA4010 2SB709 DTC124EK	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209	FM Front End	Part No. R\$1/10\$223 R\$1/10\$683 R\$1/10\$683 R\$1/10\$683 R\$1/10\$104 R\$1/10\$470 R\$1/10\$470 R\$1/10\$470 R\$1/10\$471 R\$1/10\$470 R\$1/10\$104 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$22 R\$1/10\$2470 R\$1/10\$470
201 (R1) (R1) (R1) (R1) (R1) (R1) (R1) (R1	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUP2R2M35 CEAUP2R3M50LS CEAUP2R3M50LS CEAUP3M50LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA07M50LL CEA27M50LL CEA27M50LL CEA27M50LL CEA27M50LL CEA77M50LL CEA77M16LL CEA220M16LL CEA77M16LL CEA77M	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA220M6LL CEA2R2M35NPLL CEA270M16LL CEA220M16LL CEA220M16LL CEA220M16LL PA4010 2SB709 DTC124EK	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 R 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209 R 207	FM Front End	Part No
201 /R1 /R1 /R1 /R1 /R1 /R1 /R1 /R1 /R1 /R	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKSQYB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CEA0R1M50LS2 CEAUP2R2M35 CEAUP2R3M50LS CEAUP2R3M50LS CEAUP3M50LS	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA10M50LL CEA22M50LL CEA22M50LL CEA2R2M35NPLL CEA2R2M35NPLL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL CEA220M16LL	VRTB4VS103 RS1/10S0R0J RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA2T0M6R3LL CEA010M50LL CEA010M50LL CEA0T0M50LL CEA0T0M50LL CEA0T0M50LL CEA2T0M16LL CEAT0M16LL CEATTOM16LL CEA	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209	FM Front End	Part No
201 /R1 R14 R60 R61 R101 R151, 152 C101 C105, 211 C106 C110 C111 C112 C151, 152 C154, 155, 156 C218 C224 C230 R1t Number : R1C S1 RC	CTF1084 VRTB4VS103 RS1/10S473J RS1/10S332J RS1/10S331J RS1/10S222J CKS0YB822K50 CEA2R2M50LS2 CEA220M6R3LS CEA010M50LS2 CEA100M16LS2 CEA0R1M50LS2 CKS0YB273K25 CEA3R3M50LS CEALMP2R2M35 CEALMP2R2M35 CEA470M16LS CEA220M16LS FM/AM Tuner Un Circuit Symbo	CTF1084 VRTB4VS103 RS1/10S332J RS1/10S331J RS1/10S222J CKSQY8822K50 CEA2R2M50LL CEA220M6R3LL CEA010M50LL CEA100M16LL CEA010M50LL CEA07M50LL CEA27M50LL CEA27M50LL CEA27M50LL CEA27M50LL CEA77M50LL CEA77M16LL CEA220M16LL CEA77M16LL CEA77M	VRTB4VS103 RS1/10S0R0J RS1/10S471J RS1/10S152J CKSQYB392K50 CEA2R2M50LL CEA270M6R3LL CEA010M50LL CEA010M50LL CEA010M16LL CEA070M16LL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M35NPLL CEA2R2M16LL CEA2R2M16LL CEA2RM16LL	RESISTORS Mark ======== Circuit R 2 7 9 58 R 3 R 4 R 5 10 14 63 R 6 8 59 R 11 R 12 R 54 R 56 104 R 57 R 64 R 101 R 102 R 105 R 106 R 107 R 108 R 111 R 112 R 151 R 152 R 153 R 201 R 202 R 203 206 214 R 204 213 R 205 209 R 207	FM Front End	Part No. R\$1/10\$223 R\$1/10\$683 R\$1/10\$683 R\$1/10\$682 R\$1/10\$104 R\$1/10\$470 R\$1/10\$470 R\$1/10\$471 R\$1/10\$471 R\$1/10\$333 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$102 R\$1/10\$22 R\$1/10\$22 R\$1/10\$22 R\$1/10\$22

C					

CAPA	ITORS			Unit Number :	
Mark		Circuit Symbol & No. ==== Part Name		Unit Mame : Amp Unit (DEH-750/UC, ES, DEH-650/UC, DEH-6	20/US)
	C 1	·	CKSQYB102K50	Mark ======= Circuit Symbol & No. ==== Part Name	
	C 2	3 104	CKSQYB103K50	IC 551	AN7188K
	C 4 5	1 59	CKSQYF473Z25	D 951	5727
	C 11 1	2 13 14	CCSQCH220J50	D 952 954 955 956	ERA15-02VH
	C 15		CKSQYB223K25	D 957 959	ERC04-02FE3
				R 551 552 553 554	R\$1/8\$2R2J
	C 52 5]	CKSQYB223K25	11 001 002 000 007	NO 17 002 NZ
	C 54		CCSQSL101J50	R 955 956	RS1/10S0R0J
	C 55		CKSQYB102K50	R 957	RS1/10S223J
	C 56		CKSQYF104Z25	C 551 552 553 554	CQEA104J50
	C 57		CEAR68M50LS2	C 555	CEHAQ221M16
			0.0000000000000000000000000000000000000	C 556	CEA330M16LS
	C 58		CCSOCHO60D50	C 330	CENSSOMISES
	C 60		CEALNP100M6R3	C 557 558	CCSQCH102J50
	C 101		CKSQYB392K50	C 951 EMI Filter	
	C 102		CKSQYB682K50	C 952	CCG1006
	C 103		CKSQYB392K50		CEHAQ102M16
				C 953	CEHAQ222M16
	C 105		CEA2R2M50LL	C 954 955 956	CEA010M50LL
	C 106		CEA220M6R3LL		
	C 107 10	8	CKSQYB222K50	Water was	
	C 110		CEA010M50LL	Unit Number:	
	C 111		CEA100M16LL	Unit Name : Amp Unit (DEH-700SDK/WG, DEH-700/EW, DEH-6	00/EW)
	C 112		CEAOR1M50LL	Mark ====== Circuit Symbol & No. ==== Part Name	Part No.
	C 151 15	2	CKSQYB563K25		
	C 153		CSZAR47M35L	IC 551	AN7188K
	C 154 15	5 156	CEA3R3M50LL	Q 953	2581238
	C 157		CEA101M10LS	Q 954 Chip Transistor	UN221D
				D 951	5727
	C 201 22	3 228	CKSQYB103K25	D 952 954 955 956	ERA15-02VH
	C 202 21	2	CKSQYB332K50	D 011 010	
	C 203 21	5 216 219 226	CKSQYF473725	D 957 959	ERC04-02FE3
	C 204 20	8 210	CKSQYB223K25	R 551 552 553 554	RS1/8S2R2J
	C 205		CCSQCH220J50	R 953	RS1/10S152J
				R 954 957	RS1/10S223J
	C 206 20	7	CCSQCH820J50	R 955	RS1/10SOROJ
	C 211		CEA2R2M50LL		
	C 213		CCSQCH390J50	C 551 552 553 554	CQEA104J50
	C 218		CEA2R2M35NPLL	C 555	CEHAQ221M16
			CCSQCH430J50	C 556	CEA330M16LS
	C 220			C 557 558	
	U 220				CCSQCH102J50
	C 221		CCSQCH100D50	C 559	CCSQCH102J50 CKSQYB103K50
			CCSQCH100D50 CS7A010K35L		CKSQYB103K50
	C 221			C 951 EMI Filter	CKSQYB103K50 CCG1006
	C 221		CSZA010K35L	C 951 EMI Filter C 952	CKSQYB103K50 CCG1006 CEHAQ102M16
	C 221 C 222 C 224		CSZA010K35L CEA470M16LL	C 951 EMI Filter C 952 C 953	CKSQYB103K50 CCG1006 CEHAQ102M16 CEHAQ222M16
	C 221 C 222 C 224 C 225		CS7A010K35L CEA470M16LL CKSQYB333K25	C 951 EMI Filter C 952	CKSQYB103K50 CCG1006 CEHAQ102M16
	C 221 C 222 C 224 C 225		CS7A010K35L CEA470M16LL CKSQYB333K25	C 951 EMI Filter C 952 C 953	CKSQYB103K50 CCG1006 CEHAQ102M16 CEHAQ222M16
	C 221 C 222 C 224 C 225 C 227		CSZA010K35L CEA470M16LL CKSOYB333K25 CEA4R7M35LS	C 951 EMI Filter C 952 C 953	CKSQYB103K50 CCG1006 CEHAQ102M16 CEHAQ222M16

	DEH-80/US	
FM/AM	DEH-750/UC	
Tuner Unit	DEH-650/UC	DEH-620/US
Symbol & No.	Part No.	Part No.
03	2SA1162	
D11.12	1SV128A-BB	
L 1 1, 12	CTF1065	
VR1	VRTB4VS104	VRTB4VS103
R3	R\$1/10\$683J	RS1/10S124J
R8	RS1/105331J	
R 9	RS1/10S223J	
R11	RS1/10S104J	•••••
R 1 2	RS1/10S470J	
R13		RS1/10SOR0J
C11-14	CCSQCH220J50	
C15	CKSQYF223750	

Mark	**			Cir	cuit	Symbol & No. ==== Part Name	Part No.
	10	551					AN7188K
	D	951					5727
	D	952	954	955	956		ERA15-02VH
	D	958	960				ERC04-02FE3
	R	551	552	553	554		RS1/8S2R2J
	R	955	956				RS1/10S0R0J
	R	957					RS1/10S223J
	C	551	552	553	554		CQEA104J50
	C	555					CEHAQ221M16
	C	556					CEA330M161S
	C	557	558				CCSQCH102J5
	C	951				EM1 Filter	CCG1006
	C	952					CEHA0102M16
	C	953					CEHAQ222M16
	Ç	954	955	956			CEA010M50LL



Unit Number:

Unit Name : Display Unit (DEH-750/UC, ES. DEH-80/US)

Mark ****** Circuit Symbol & No. **** Part Name Part No. _____ 1 C 7 5 8 2 A Chip Diode MA153-MC D 901 902 903 Chip Diode D 904 MA151A-MA CTF-157 Ferri-Inductor L 901 CEL 1025 Lamp 14V 40mA IL 901 902 906 |L 903 904 905 907 908 Lamp 14V 40mA SW 901 902 903 904 905 906 907 908 909 910 Switch CSG-253 SW 911 912 914 915 916 917 918 Switch CAW1074 1.00 RD1/4PS103JL R 901 902 903 RS1/10S104J R 904 905 RS1/108751J R 906 911 916 RS1/10S112J R 907 912 917 RS1/10S182J R 908 913 918 RS1/10S362J R 909 914 919 RS1/10S113J R 910 915 920 CEA470M6R3LS C 901 CKSQYB103K50 C 902 C 903 CCSQCH301J50 CKSYB224K25 C 904

Desplay Unit	DEH-80/US DEH-750/UC.ES	DEH-700SDK/WG DEH-700/EW	DEH-650/UC	DEH-620/US	D{H-600/{W
Symbol & No.	Part No.	Part No.	Part No.	Part No.	Part No.
D981, 902, 903	MA153-MC	MA153-MC			
D384	MASSIA-MA	MA151A-MA			
D905			L M B 1 R C 5 V	ENBIRC5V	LNB1RC5V
11 901, 902, 986	CEL 1025	CEL 1013	CEL 1025	CEL 1025	CEL 1013
11903, 984, 985	CEL-147	CEL-147	CEL-147		CEL - 147
11907, 908	CEL-147	CEL-147	CEL-147		CEL-147
SW9 13			CS61014	C\$81814	CSG1014
R921			R\$1/10\$881J	1189501/12B	RS1/105681J

Unit Number :

Unit Name : Carriage P. C. Board

 Mark
 ======
 Circuit
 Symbol & No.
 ===- Part Name
 Part No.

 M
 831
 Motor Unit (Spring)
 CXM1054

 M
 832
 Motor Unit (Carriage)
 CXA3347

 S
 831
 Switch (Home)
 CSN1018

Unit Number :

Unit Name : Mechanism P. C. Board

 Mark ======
 Circuit Symbol & No. ==== Part Name
 Part No.

 D 834 835 836 837
 LED (Disc detect)
 SLH-34VC3F

 M 833
 Motor Unit (Loading)
 CXA2129

 S 832
 Switch (Disc set)
 CSN1020

Unit Number :

Unit Name : Detector P. C. Board

Mark ======= Circuit Symbol & No. ==== Part Name Part No.

Q 831 832 833 834 Photo-transistor PHI02

Miscellaneous Parts List

Mark ======= Circuit Symbol & No. ==== Part Name Part No.

D 941(DEH-700SDK/WG, 700/EW, 750/UC. ES. 80/US) LED LN81RC5V
SW 1(DEH-700SDK/WG, 700/EW, 750/UC. ES. 80/US) Switch CSN1012
SW 941(DEH-700SDK/WG, 700/EW, 750/UC. ES. 80/US) Switch CSG-253
R 941(DEH-700SDK/WG, 700/EW, 750/UC. ES. 80/US) RD1/4PS681JL
PU Unit CGY1015





SERVICE GUIDE ORDER NO. CRT 1161

CD MECHANISM UNIT

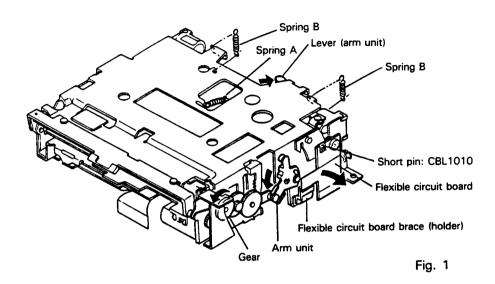
- This service manual is a description of the CD mechanism found in the model numbers listed in the table below.
- When performing repairs use this manual together with the specific manual for the model under repair.

Model	Service Manual		
DEH-66/UC			
DEH-66SDK/WG	CRT1166		
DEH-66/EW	Cittino		
DEH-66/EI			

1. DISASSEMBLY

• Disassembly of the Carriage Unit

Note: There may be times when the names of parts used in this manual are not the same as those used in the lists accompanying the Exploded View. If a different name is used here, the part name given in the Exploded View is also provided in parentheses ().



- Put the mechanism unit into a loading complete state. (Move the lever back and rotate the gear while pressing down lightly on the arm unit. Rotate the gear until the three carriage unit shafts are free and the unit is supported by the four damper units.
- 2. Remove Spring A and two Springs B.
- 3. Remove the flexible circuit board from the flexible circuit board brace.

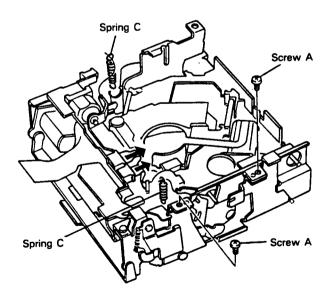
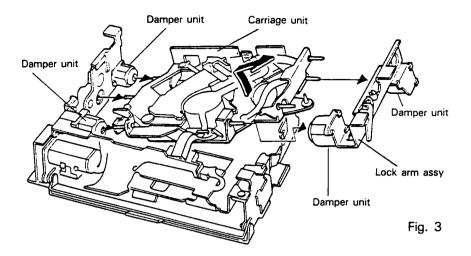


Fig. 2

- 4. Turn the mechanism unit upside down.
- 5. Remove the two Springs C.
- 6. Remove the two flexible circuit boards from their con-
- 7. Remove the two Screws A.





- 8. Lift the lock arm assembly and then pull out the carriage unit.
- Remove the carriage unit from the lock arm assembly.
 Note: The damper units are lined with a thin rubber film. Be careful not to damage this when disassembling.

• Disassembly of the Carriage Motor Unit

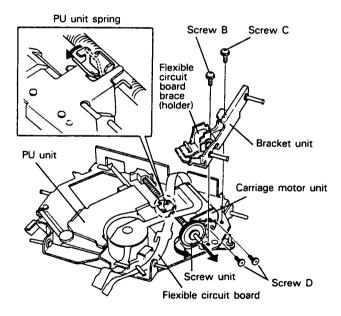


Fig. 4

- After removing the Screw B and Screw C, remove the bracket unit. At this time remove the flexible circuit board from the flexible circuit board brace.
- 2. Remove the belt.
- Cock the PU unit spring as shown in Fig. 4 and then move the PU unit to its outermost position.
 (Cocking the spring disengages the screw unit so that the PU unit can be moved by hand from above.)
- 4. Pull the screw unit out of the assembly.
- 5. Remove the two Screws D and then the carriage motor unit.

Note: When reinstalling the carriage motor unit, tighten Screw D and seal it.



• Disassembly of the PU Unit

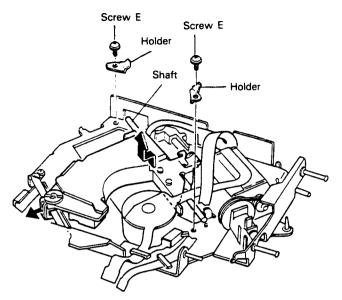


Fig. 5

- Cock the PU unit spring as shown in Fig. 4.
 Move the PU unit to the center of the shaft for easy removal.
- 2. Remove the two Screws E and then the holders.
- 3. Remove the PU unit, lifting it from the shaft side where the holders have been removed and being careful not to catch the shaft on the opposite side.
- 4. Pull the shaft out of the PU unit.

Disassembly of the Spindle Motor Unit

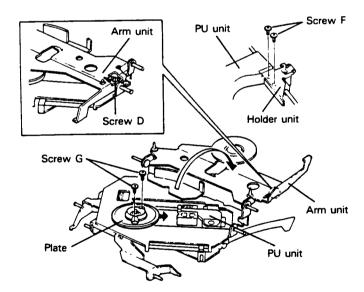


Fig. 6

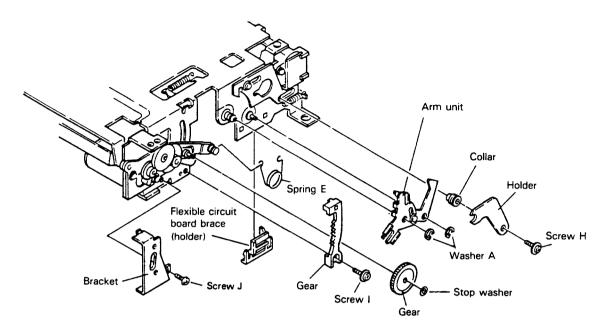
- 1. Remove the two Screws F and then remove the holder unit from the PU unit.
- 2. Cock the PU unit spring as shown in Fig. 4 and move the PU unit to its outermost position.
- 3. Turn the whole carriage unit right side up.
- 4. Remove Screw D and turn the arm unit upside down.
- 5. Turn the spindle motor plate so that the holes on the plate are at the position of the screws underneath.
- 6. Remove the two Screws G.

 Note: When reinstalling the spindle motor unit, tighten
 the Screws G and seal them.
- 7. Slide the spindle motor unit onto its side and remove it.



Fig. 7

Disassembly of the Loading Motor Unit



- Remove the carriage unit.
 (Refer to the previous section entitled, "Disassembly of the Carriage Unit.")
- 2. Remove the flexible circuit board brace.
- 3. Remove Screw H and then the holder.

 Note: When Screw H is removed, the collar will also come free. Be sure not to lose it.
 - Washer B Bracket unit

 Roller

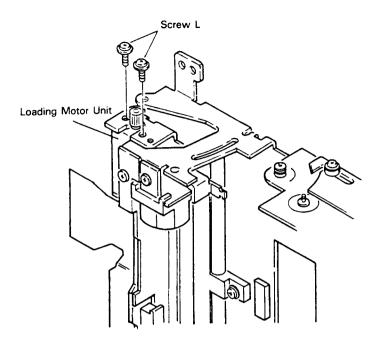
 Spring F

- 4. Remove the Screw E.
- 5. Remove the two Washers A and then the arm unit.
- 6. Remove the stop washer and then the gear.
- 7. Remove Screw I and then the gear.
- 8. Remove Screw J and then the bracket.
- 9. Remove Spring F.
- 10. Remove washer B.
- 11. Remove the two Screws K and then pull out the bracket unit.

Note: The bearing at the tip of the roller will also come loose. Be careful not to lose it.

Fig. 8



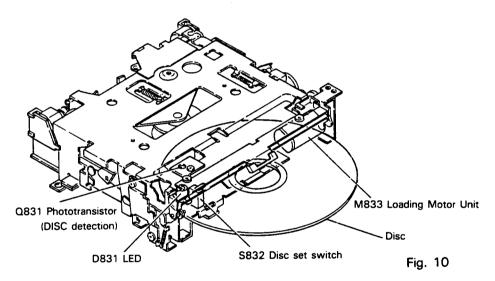


12. Remove the two Screws L and then the loading motor unit.

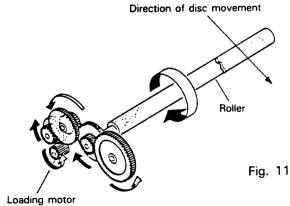
Fig. 9

2. MECHANISM DESCRIPTION

• Loading Operation



- When a disc is inserted into the unit, it enters between the LED and the phototransistor with the result that the light from the LED to the phototransistor is blocked.
- 2. When the phototransistor detects a disc presence in the unit, the loading motor begins to rotate and loading begins.
- 3. When the loading motor rotates, the roller is turned and the disc is moved into the unit. (Fig. 11)





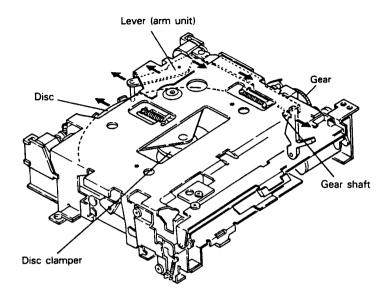


Fig. 12

- 4. When the disc pushes on the lever, the gear shaft lock is released. The gear meshes with another internal toothed gear and is lowered. (See Figs. 12, 13)
- 5. The action of the gear shaft moving down lowers the disc clamp and the disc is held in place.
- As the gear is lowered when it meshes with the internal toothed gear, the gear unit also is lowered and the disc set switch pressed.
- At the same time, the disc door is lowered and the disc insert door is blocked to prevent the introduction of another disc.

The three shafts of the carriage unit are in a free mode and the carriage unit is in an anti-vibration mode supported by the four damper units. (Fig. 14)

When the disc set switch is turned on, loading motor rotation stops and the loading operation is complete.

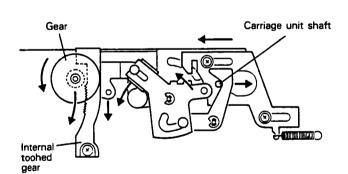


Fig. 13

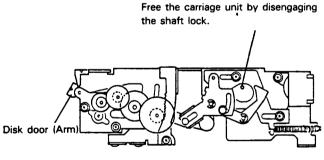
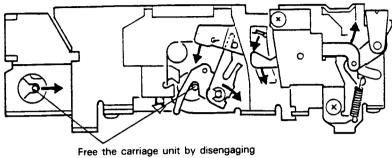


Fig. 14



(view of reverse side)



Free the carriage unit by disengaging the shaft lock.

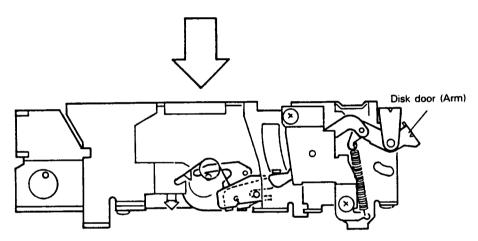


Fig. 15